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Worldwide IT Spending Patterns:
The Worldwide Black Book

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Abstract

Worldwide IT Spending Patterns: The Worldwide Black Book, 2002

For the 13th consecutive year, IDC presents an analysis of end-user information technology (IT) spending and market opportunities across the spectrum of countries in which IDC maintains a research presence. *The Worldwide Black Book, 2002* presents the latest comprehensive view of the IT market based on IDC's research completed as of June 2002.

The *Worldwide Black Book* is published on a quarterly basis, allowing clients to receive the most up-to-date analysis possible of the global IT market according to the varying updates completed by IDC research expertise centers.

Executive Summary

With the slow nature of the U.S. economic rebound, continued softness in Japan, disappointing 2Q02 revenue data in Europe, and increased turmoil in Latin America, IDC's forecast for total worldwide IT spending growth this year has decreased to 3.7%. This still represents the gradual recovery from 2001 spending, which we have predicted since the beginning of this year. In the second half of 2002, we expect to see significant year-on-year growth comparisons, considering the severity of the downturn in many segments during 2001. While the full rebound in IT spending has yet to materialize and is likely to correlate strongly with a rebound in business profits and business confidence, we have not changed our fundamental outlook for the gradual recovery of IT spending in most market sectors.

Key findings of this report include:

- Mixed signals have clouded the outlook for personal computer (PC) spending, with promising shipments in 1Q02 followed by a more sober market in 2Q02. Server sales remain subdued, particularly in the midrange server market.
- The recovery in the hardware segment will be a mixed bag. There are bright spots on the near-term horizon. Server and storage suppliers will recover more gradually, with enterprise spending confidence returning somewhat over the coming months.
- The biggest software slowdown in 2001 occurred in system infrastructure software. The packaged applications market remained positive, growing by 3.2% from its 2000 total.
- Effectively, the North American recession of mid-2001 permanently sucked $40–50 billion in demand out of the market over the forecast period, including not only applications that will now not be licensed but also the maintenance services that will now not be subscribed to on an ongoing basis. IDC expects some price erosion in the packaged applications market to slow growth as well.
- IDC expects that the system infrastructure software market will start to recover in the second half of 2002 as the economy improves and IT spending increases. This trend, together with the likely increase in deferred revenue that will be recognized by Computer Associates (CA), sets the stage for significant growth to resume in this software market following the downturn in 2001.
- When viewed overall, spending on IT services was the most stable sector of the IT market in 2001. Declines in some segments, including consulting and systems integration services, were offset to some degree by a significant rise in outsourcing contracts.
- In the next five years, services that provide outsourcing of some or all of an enterprise's IT infrastructure needs will witness some of the strongest growth rates for the industry. In particular, IDC predicts that the hottest area of growth will continue to be in offerings that incorporate utilitylike delivery of IT.

- Overall, we remain broadly positive on the underlying strengths of the IT market in North America. While the gradual economic recovery appears well on course and in line with our predictions at the beginning of 2002, there remains the potential for disruptive factors, such as a spiraling of the current accounting scandals, which have already have some impact on business and consumer confidence.
- While Europe, with the obvious exception of Germany, has not slid into outright recession, in many countries growth has been subdued. Tentative signs of recovery have emerged, but there is clearly no v-shaped economic rebound.
- IT spending in Asia/Pacific will increase by just 4.1% this year, following soft market conditions that persisted through most of 2001. The overall regional picture is heavily influenced by Japan, however, where IT spending in inhibited by the ongoing economic recession. In other countries throughout the region, prospects for the second half of this year are more positive.
- Eastern Europe's IT market continues to expand at a healthy pace, led by strong demand for IT services and robust software spending. In contrast to other regional markets, Eastern Europe also boasts stable demand for hardware, including PCs.
- The Middle East/Africa IT market represents a comparatively strong opportunity: Limited IT penetration throughout much of the region means that there is plenty of room for growth. Moreover, other factors are acting as a catalyst for IT development, including privatization, FDI inflows, and infrastructure-level and telecommunications sector reforms.
- The economic crisis in Argentina has had a major impact on IT spending, with its impact extending beyond the borders of the country itself. With the overall mood of economic uncertainty translating into anxiety, many companies appear to be delaying big-ticket purchases until the outlook becomes more certain.

Methodology

The *IDC Worldwide Black Book* is a project initiated in 1990, when IDC decided to present for as many countries as possible a summary of IT spending and projections for the next half decade.

Like its predecessors, the 2002 edition offers a profile of the IT market throughout the world, with quality assurances that the data presented will be rigorously consistent with IDC market definitions to facilitate cross-country and cross-regional comparisons.

The *Worldwide Black Book* will be published quarterly in 2002; Version 3 will be published at the end of 3Q02 (end of September). An accompanying taxonomy document can be referenced as a companion to the 2002 *Black Book* reports. Data will also be published to *Black Book* clients on CD-ROM, via email, and in HTML on the IDC Web site. For specific technical instructions on using the *Black Book* electronic query tool, please refer to contact instructions on the CD-ROM.

This year's edition of the *Worldwide Black Book* includes the following analysis:

- Summaries of IT spending for 2001, 2002, 2003, 2004, 2005, and 2006 in the following categories:
  - Computer hardware systems, divided into servers (five categories), PCs, and workstations
  - Storage devices, divided into disk storage systems, tape and fibre channel
  - Printers and other add-ons
  - Smart handheld devices
  - Packaged software, with breakdowns for system application software, application tools, and application solutions
  - Networking equipment, referring to enterprise spending
  - IT services, with data regarding five categories of services (IT consulting, implementation services, operations management, training and education, and support services), including the allocation of processing services
- A composite view of the overall IT market
- Growth at the country level in U.S. dollars (constant IDC exchange rates used to eliminate impact of exchange rates on IT market growth rates)

Please note that the values in any column may add to more than the sum in the total line. For example, servers are first delineated in terms of broad price band (high end, midrange, and low end), with low end further delineated into standard Intel architecture servers and other low-end servers. In software, the market is represented in terms of packaged software, not including the value of operating systems, which is incorporated into the value of hardware systems.

Research Guidelines

Each region provided the corresponding data using the latest market forecasts where available as well as estimations based on market dynamics where necessary.

Data is presented in U.S. dollars, and all currency conversions have been made on the country level using a constant exchange rate to eliminate the impact of currency fluctuations. Since 1999, IDC has standardized its exchange rates on the Olsen Currency Converter (**www.oanda.com**), whereby quarterly research is converted from local currency to U.S. dollars according to the latest calendar quarter rates and annual research according to the latest calendar year rates. The latter is derived from an average of the four calendar quarter rates. Prior to 1999, data was converted with annualized OECD rates where available and the Olsen Currency Converter for all other cases. Where regions felt it necessary to forecast rates due to rapid and frequent currency devaluations, data was converted back according to the described methodology for the purposes of consistency across all data contained in the *Worldwide Black Book*.

The definitions for each category are provided within this document. Where necessary, printed IDC definitions were rephrased or additional detail was added to avoid possible confusion; all changes were made with the advice and consent of the relevant research programs in the United States.

It must be emphasized that the markets depicted in these pages are the central computer-related industries that IDC has tracked as a whole over the years and expects its subsidiaries and affiliates to follow. They are not, however, the only possible categories of IT spending.

Data Collection

Data collection occurred in the individual countries involved and at corporate headquarters, with contributions from other IDC offices (e.g., the European expertise centers in London, Amsterdam, and Copenhagen; regional research foci such as the IDC Hong Kong office; and "hub" offices such as IDC Nordic, to which several small country offices report).

The objective was to synthesize the results of research in five primary focus areas:

- **Local expertise.** Reliance on local industry analysts for primary research would ensure that the results reported for each country would be grounded in a broad knowledge base concerning local products, vendors, users, and industry trends.
- **Vendor analysis.** Each IDC country office regularly conducts extensive interviews with local computer vendors and distributors. The data from these offices could then be compared

with information on multinational vendors maintained at IDC headquarters and the regional research centers and cross-checked with global vendor census data maintained and coordinated at IDC world headquarters and, where possible, with regional census data.

- **User analysis.** IDC offices also maintain close contact with the local user community. Data from user interviews and surveys would be mapped into the vendor analysis to validate data consistency and establish baselines for market projections. A major contribution to market estimates for the United States, Asia/Pacific, and Western Europe has been made by IDC's *eWorld 2001 Survey.*
- **Inductive analysis.** IDC's historical global market coverage and analysis of individual components of the world IT marketplace put the company in an unparalleled position to assess each country's reports in the context of the overall dimensions and composition of the industry. This research component provided an overall check against data collected based on local expertise and vendor and user analysis, and it served as a foundation for modeling data points that local resources were unable to complete.
- **Secondary source analysis.** Data reported on the basis of the first four research components would be compared with secondary materials such as independent studies, government trade figures, and general economic information for interpreting local market environments and evaluating five-year forecasts.

Consistency of data was a goal throughout the project. Thus, information in *Worldwide Black Book, 2002* is in most cases equivalent to data published in other regional *Black Book* products, except where the rapidly changing IT climate prompted regional offices and/or expertise centers to revise their data subsequent to publication or in cases where the regional product report results in different exchange rates or different market segmentations.

Definitions

Value of shipments is the revenue paid to primary vendors for systems, software, and/or services. For product-specific definitions, see other terms that follow. For this project, all data is expressed in a constant U.S. dollar rate taken as an average of 2001 exchange rates. For analysis of historical data, IDC can provide IT spending in historical exchange rates or constant exchange rates. IDC does not attempt to forecast exchange rates.

Hardware

Systems include CPU(s) and basic peripherals (e.g., data storage devices, terminals, memory, and peripherals), as well as revenue for new systems added to the installed base. Multiprocessor configurations are counted as single systems.

Multiuser systems is a classification used to group all computer systems except PCs and workstations.

The IDC Commercial Systems and Servers group now defines its market in a number of different ways. There are now 11 price band splits, which for the purposes of this report we have collapsed into three bands to broadly mirror historic categories. The class designations are based strictly on price. Thus, there will be differences in the size of the two market views in cases where small systems exceeded $100,000 and medium-sized systems exceeded $1,000,000. This was previously allowed in cases where a multiple-processor machine was closely related to a machine with an average system value below the ceiling of the price guide. In our new data model, all machines priced within a price category are included in it — making for a simpler model:

- **High-end servers.** Price is $1 million or more.
- **Midrange servers.** Price is $100,000–999,999.
- **Low-end servers.** Price is $10,000–99,999.

Single-user systems are workstations, PCs, and PC add-ons.

Workstations. For the purposes of the *Worldwide Black Book,* only *traditional* workstations have been included.

Traditional single-user workstations. The key criteria distinguishing traditional workstations from PCs and personal workstations are the primary operating system, distribution channels, market focus, and relative functionality. In general, traditional workstations are the following:

- Unix or OpenVMS operating systems, which are tightly coupled to a specific hardware platform and bundled by the hardware manufacturer (Typically, the operating system has been developed to run specifically with a certain hardware platform, although over time it may have been ported to other hardware platforms.)

- Direct sales channel supplemented by OEM and value-added reseller (VAR) distribution channels and limited association with distributors
- Vendor emphasis on technical, graphics, and networked business/professional application segments
- Highest levels of functionality in many areas, including graphics performance, floating point and integer performance, memory, and maximum disk storage

Traditional workstations include all workstations in which Unix is the primary operating system. For example, IBM's 43P and Digital's AlphaStations are capable of running NT, yet the systems were designed for Unix and are targeted at that market. These products are included within traditional workstations.

Personal computers (PCs) are general-purpose systems targeted at businesses, homes, or educational establishments. These systems are single user (capable of operating in standalone mode) by design, although they may be configured, typically by VARs or the users themselves, to act as local area network (LAN) servers. This means, for example, that an Intel Pentium desktop system such as the Compaq Deskpro would be included even if it is running Unix with terminals attached. However, a Compaq ProSignia or SystemPro would be excluded because it is primarily designed for server or multiuser use.

Networking Equipment

Networking equipment refers to enterprise spending and excludes spending on carrier network equipment by telecommunications service providers. It includes the following categories of equipment:

- **Network interface cards (NICs).** These include all expansion-type, PC Card (formerly known as PCMCIA), and parallel port LAN adapter cards. A NIC is an expansion card used to connect a PC, server, or workstation to a LAN to provide an interface between the LAN and the bus of the PC.
- **LAN switches.** IDC covers the following products:
  - Ethernet (10BaseT) switches
  - Token ring switches
  - 100BaseT (Fast Ethernet) switches (including 10/100BaseT switches)
  - FDDI switches
  - ATM switches (including ATM uplinks)
  - Gigabit Ethernet switches

  All form factors (i.e., modular and nonmodular) are included in the market data. The definition includes all switches used for either backbone, workgroup, or desktop connectivity. Switches used for wide area network (WAN) connectivity are not included in the LAN switching definition.

- **Routers.** IDC defines a router as a networking device that is involved in protocol-dependent, LAN-to-LAN internetwork traffic management. Support for and comprehensive processing of such Layer 3 networking protocols as IP and IPX, along with the use of routing protocols such as RIP and OSPF, are required. Support for WAN connectivity is not a requirement but is present in most configurations.

  All forms of routers — for example, standalone, stackable, add-in cards, and server-based software — are included in IDC's router market analysis. Where a router is configured as an add-on function in a multipurpose networking device (e.g., hub, switch, server), only the router-related portion of that multipurpose device is included in our router revenue and average sales value calculations.

  Excluded are systems involved in client-to-LAN internetwork traffic management. IDC classifies these devices as remote access devices. Also excluded are systems that provide support for multilayer switching — that is, switching on a port basis combined with Layer 3 processing capabilities. IDC classifies these devices as switches, not routers.

- **Hubs.** This data includes the following hubs:
  - Ethernet (modular, nonmodular managed, and nonmodular unmanaged) hubs
  - Token ring (modular, nonmodular managed, and nonmodular unmanaged) hubs
  - 100BaseT hubs
  - 100VG hubs
  - FDDI hubs

- **WAN switching.** ATM and frame relay WAN switches make up this market.

- **WAN access.** The following three market segments comprise WAN access:
  - **ATM access.** Low-end customer premises equipment (CPE) and high-end concentrators are both included.
  - **Frame relay access.** Frame relay access devices (FRADs) used in private frame relay networks and those deployed to access carrier frame relay services are included.
  - **TDMs.** Low-capacity and high-capacity TDMs and so-called integrated access devices (IADs) are all included.

- **Remote access servers.** Both fixed-port and concentrators are included in the market data. Remote access server concentrators provide the large port densities required by ISPs, telcos, and large corporations, and fixed-port devices are suited primarily to small business and small office solutions.

- **Analog modems.** Internal, external, and PCMCIA modems are included.
- **Digital access.** This segment is a compilation of the following markets:
  - **ISDN.** Both primary rate ISDN (PRI) and basic rate ISDN (BRI) terminal adapters (TAs) are included.
  - **Cable modems.** Revenue from the sale of customer premise modem equipment is included. Cable infrastructure equipment such as cable headends and equipment used for upgrading cable networks to a hybrid fiber coaxial (HFC) architecture is excluded.
  - **xDSL.** Included is revenue from equipment used for the provisioning of both HDSL and newer xDSL services (ADSL, SDSL, and IDSL). Both CPE and network equipment revenue is included. Network-side equipment includes standalone DSL access multiplexers (DSLAM) as well as DSL modules that are integrated in other voice and data equipment, such as remote access servers, central office voice switches such as the Lucent 5ESS, and ATM switches such as the Newbridge 36170.
  - **CSU/DSUs.** These products are required for conditioning and testing of digital leased lines. A CSU/DSU provides an interface to a digital private line much as a modem acts as an interface to an analog line.

Packaged Software

Packaged software is commercially available programs for sale or lease from system vendors and independent software vendors (ISVs). IDC includes the packaged software fees plus related nonconsulting revenue, such as fees for maintenance and/or support. IDC does not include consulting or system integration revenue or specially designed application software solutions added by turnkey system houses (including VARs) to systems acquired from hardware manufacturers or third-party vendors.

Application solution software includes consumer, commercial, and technical programs designed to provide packaged solutions for specific problems inherent in the home, industry, or a business function. *Consumer applications* are products designed for use in the home for recreation, education, and/or personal productivity enhancement. *Cross-industry applications* address problems *that are not unique* to a particular industry. Examples include software that automates activities found in numerous industries such as office automation, accounting, human resource management, payroll, project management, and word processing. *Vertical industry applications* address problems *that are unique* to a particular industry. Examples include software that automates activities found only in specific industries, such as material requirement planning in manufacturing, patient billing in healthcare, loan processing in banking, and claims processing in insurance.

Application tools include information access tools (IATs) and programmer development tools (PDTs). *IATs* are end user–oriented tools for ad hoc data access, analysis, and reporting. Products in this category are most commonly used by novice or power users rather than professional programmers. Examples include spreadsheets, executive information systems (EIS), and statistics. *PDTs* are software products that support the professional developer in the design, development, and implementation of a variety of software systems and solutions. The market for these products includes those for both object-oriented and conventional (nonobject) tools. Examples include database engines; 4GL/RAD; analysis, modeling and design (AMD); and 3GLs.

System infrastructure software is divided into four primary categories: system management software, middleware, serverware, and system-level software. *System management software* is used to manage the full range of computing resources for the enterprise. *Middleware* is defined as independent system software and services that distributed businesses use to share computing resources across heterogeneous technologies. Middleware is layered on top of the client and server operating systems that host the computing resources as well as the communications networks that interconnect them. *Serverware* consists of products that deliver housekeeping capabilities used to coordinate resources between distributed servers or nodes on the network. Serverware products run in the background and talk to one another but do not directly interface with business application programs. *System-level software* is the foundation of system software products that collectively operate the hardware platforms and communications networks upon which business applications are built. (This market includes operating systems and subsystems, networking software and services, and system utilities.)

Services

Consulting. IT consulting services exclude strategic planning, tax, audit, benefits, financial, and engineering consulting. They include IS strategy, IT and network planning, architectural assessments, IS operational analysis, technical system and network design, supplier assessment, and maintenance planning. Examples of IT consulting include evaluating an IS organization's help desk operation or examining the best technology to meet a company's order fulfillment process. IT consulting can also provide product-specific consulting, such as how to incorporate a new software product into an existing suite of applications or assessing the performance of a network and fine-tuning specific access devices.

Implementation. Implementation services are represented by activities that are aimed at building technical and business solutions. At a point during functional system design (the consulting phase), proof of concept activities signal the beginning of the implementation phase. When the project turns from concept to actually building or prototyping the system, implementation activities start. Examples of activities captured in this segment include prototyping and staging a new system before installation, configuring a new software package's features, or pulling network power cables.

Similar to consulting, implementation services are delivered as standalone activities or packaged within larger offerings, such as systems integration projects. For example, the installation of a PC would be considered a standalone installation service. However, a systems integration project aimed at building a new data processing center would include bundling implementation activities such as preparing the site, installing new equipment, loading software applications, developing custom interface drivers, testing and debugging systems, documenting final configurations, and managing the overall project.

Operations management. These services are aimed at taking responsibility for managing components of a company's IS infrastructure, such as help desk and network management or, in the case of information systems outsourcing, the entire IS organization. Because most outsourcing contracts are multiyear, spending captures in this segment represent a one-year payment of the multiyear contract associated with an outside provider taking responsibility for running an operation or plus process. The term "one-year payment of the contract" also refers to the fact that operational services host a variety of service activities as well as the costs of doing business. For example, the administrative and operational cost segment captures components of facility costs, capital depreciation expenses, telecom costs, equipment rental, and supply costs that are charged back to the outsourcing customer as part of the contract and therefore recognized as revenue by the service provider.

Specific activities that are included under operations management include help desk management, outsourcing, asset management services, systems management, network management, software update management, information systems outsourcing, processing services, backup and archiving, and business recovery services.

Training. Training and education enhance general knowledge and expand the abilities to use IT. Education can include theories, concepts, and data that are used as foundations for practical applications. Training involves learning new behavior, skills, or actions that can be used to begin performing job-specific tasks or improve performance. With a focus on IT training, IDC examines three major dimensions: suppliers, delivery, and content.

Training and education services are delivered through instructor-led training in the classroom, indirect methods such as the Internet, satellite broadcasts, and the use of educational software. IDC includes both training on specific technologies and executive seminars on how to better leverage IT.

Support services. This segment includes all activities that are involved with ensuring that products and systems are performing properly. Many of the activities captured in this phase are considered traditional services because IT product vendors have always had to provide a certain level of service to their customers when their products failed. The use of packaged software has given new meaning to the word support. There is nothing traditional about metering network traffic, browsing the Web for information, or remotely diagnosing a problem and downloading a patch. Services in this category can come as a bundled package of other services or standalone.

Forecast Assumptions

Forecasts in this edition of IDC's *Worldwide Black Book* are based on the following assumptions:

- Continuing stability of regional economic and political situation in each country covered by this report, according to current economic information from a variety of external data sources
- Growth in adoption and usage of the Internet acting as the primary driver behind technology spending
- Stability of IT services contracts over the lifetime of ongoing projects and implementations
- Ongoing understanding of ROI among large enterprises for Internet-centric solutions, including customer relationship management, supply chain management, Internet commerce, and business intelligence solutions
- Continuing movement of IT from back-office functions into front-office business operations in commercial environments
- Gradual shift in attitudes toward IT spending based on technology viewed as a central element of business strategy
- Movement toward information utilities and driving of server workloads by consumers connected directly over the Internet
- Deregulation and privatization in the financial and telecommunications industries, leading companies in these industries to invest heavily in call centers and improve customer service in an attempt to win customers
- Growth of wireless technology, driving application and service development
- Integration of back-office infrastructures with new front-office applications and the Internet

Worldwide IT Spending

With the slow nature of the U.S. economic rebound, continued softness in Japan, disappointing 2Q02 revenue data in Europe, and increased turmoil in Latin America, IDC's forecast for total worldwide IT spending growth this year has decreased to 3.7%. This still represents the gradual recovery from 2001 spending, which we have predicted since the beginning of this year. In the second half of 2002, we expect to see significant year-on-year growth comparisons, considering the severity of the downturn in many segments during 2001. While the full rebound in IT spending has yet to materialize and is likely to correlate strongly with a rebound in business profits and business confidence, we have not changed our fundamental outlook for the gradual recovery of IT spending in most market sectors.

Hardware spending remains depressed in the world's largest IT markets, including the United States, Japan, and Western Europe. Mixed signals have clouded the outlook for PC spending, with promising shipments in 1Q02 followed by a more sober market in 2Q02. With the exception of Japan, all major regions were slightly ahead of forecast for shipments in the first quarter and are expected to log positive full-year shipment growth in 2002. PC revenue was also inflated during the first quarter due to a surprising surge in component prices, which has now abated.

Server sales remain subdued, particularly in the midrange server market. To satisfy the need for thousands of concurrent users accessing applications or large databases, the midrange market will rebound as the demand for scalable servers increases. We anticipate that a 4.3% decline in midrange server spending this year will be followed by a rebound to 10% growth in 2003. Growth of low-end servers, which make up the largest proportion of the server market, is more stable. Spending on low-end servers will be up by 5% this year and 6% in 2003.

Other hardware segments represent a mixed bag of growth and decline this year. Spending on enterprise network equipment will be down, even excluding spending by service providers on telecom equipment. This market will recover to post 10% growth in 2003, however, as demand for network connectivity and broadband increases. Growth of spending on handheld devices remains positive, although below previous expectations. Handheld revenue will be up by 16% this year and 18% in 2003.

The printer market remains depressed, with overall spending expected to decline this year by 3% before posting a modest recovery in 2003. In storage, a further decline this year in disk storage systems will be followed by recovery in 2003, while modest growth continues in tape automation. The smallest segment of the storage market, fibre channel, continues to enjoy strong growth rates and will surpass tape in market size by 2004.

Packaged software spending was weaker than expected in the second half of 2001 as the impact of the economic slowdown spread beyond hardware vendors, and the first half of 2002 offered little encouragement of a sharp recovery. We will see positive year-on-year comparisons in the second half of this year, however, relating to a recovery from the second half of 2001. Full year-on-year growth is expected to be 8%, increasing to 10.5% in 2003.

The biggest slowdown in 2001 occurred in system infrastructure software. The packaged applications market remained positive, growing by 3.2% from its 2000 total. The growth was based primarily on the continued flow of subscription maintenance revenue supporting enterprise applications. That revenue did not slow in 2001 because it is a natural extension of the strong growth in new and add-on enterprise application licenses in 1999 and 2000. Effectively, the North American recession of mid-2001 permanently sucked $40–50 billion in demand out of the software application market over the forecast period, including not only applications that will now not be licensed but also the maintenance services that will now not be subscribed to on an ongoing basis. IDC expects some price erosion in the packaged applications market to slow growth as well.

When viewed overall, spending on IT services was the most stable sector of the IT market in 2001. Declines in some segments, including consulting and systems integration services, were offset to some degree by a significant rise in outsourcing contracts. We currently forecast an increase of 8.8% in worldwide services spending this year, but this may be revised downward as a result of 2Q02 data. In Western Europe, in particular, there appears to be some ongoing softness in some services market segments.

The overall tone for IT services, however, is one of gradual recovery into 2003. Despite tremendous changes taking place on the demand and supply sides, the worldwide business consulting and IT consulting services markets will both recuperate by 2003 and reach $54.2 billion and $32.2 billion, respectively, in 2006. The global business consulting market will increase at a slightly faster pace than the IT consulting market (11% compared with 9.8% through 2006).

Our market outlook remains broadly positive despite some soft market conditions in the first half of this year. We still expect to see a moderate year-on-year increase in total IT spending, though some hardware segments will remain depressed until 2003. During 2003, we expect to see full recovery toward something approaching pre-2001 growth levels in many segments, producing a total IT growth rate next year of 9%. Double-digit growth for total worldwide IT spending is expected to return in 2004, assuming economic stability in that year. As always, the broader economy remains the largest x-factor, particularly for long-range forecasts. The underlying market fundamentals and drivers for IT spending, on the other hand, are just as compelling now as they were prior to the economic downturn of 2001. We therefore confidently expect that IT spending growth will continue to recover in line with business profits, business confidence, and the wider economy.

Tables 1–3 show forecasts for worldwide IT spending from 2001 to 2006.

Figures 1–3 show worldwide IT spending from 2000 to 2006.

Table 1
Worldwide IT Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	45,471.4	49,368.1	54,713.6	61,200.9	68,665.8	77,209.6
Implementation	96,923.6	104,007.1	114,236.4	126,530.1	140,476.3	155,889.7
Support services	93,774.0	101,077.2	110,352.2	121,253.5	134,336.5	148,144.4
Operations management	149,290.8	165,060.7	184,048.5	205,281.8	227,922.3	251,300.5
Training and education	26,329.1	28,511.6	31,414.8	34,986.8	39,067.0	43,949.2
Services total	411,788.9	448,024.6	494,765.5	549,253.1	610,467.9	676,493.4
Packaged software						
System infrastructure software	50,677.5	54,848.6	60,882.1	69,263.4	78,099.0	87,538.4
Appl. development and deployment	41,823.1	45,080.5	50,159.1	57,915.0	66,727.1	74,697.4
Applications	82,404.2	89,368.0	98,122.5	111,402.1	126,095.0	141,713.6
Packaged software total	174,904.8	189,297.1	209,163.6	238,580.4	270,921.2	303,949.4
Hardware						
Systems						
High-end servers	10,577.5	9,539.5	9,378.9	9,256.3	9,601.0	9,815.9
Midrange servers	13,706.6	13,120.2	14,432.5	15,827.8	17,484.5	18,627.2
Low-end servers	29,412.9	30,889.8	32,815.0	34,725.8	37,102.1	39,241.1
Standard Intel servers	19,709.1	20,726.3	22,299.5	24,759.5	27,210.5	29,513.8
Other low-end servers	9,703.8	10,163.5	10,515.5	9,966.3	9,891.6	9,727.4
Personal computers	169,024.2	153,977.5	158,933.7	169,806.4	176,125.6	180,787.4
Traditional workstations	3,940.5	3,343.5	2,992.5	2,678.5	2,380.1	2,114.9
Systems total	226,661.7	210,870.5	218,552.5	232,294.8	242,693.4	250,586.4
Storage						
Disk systems	25,817.1	25,446.2	26,783.5	28,356.2	30,288.1	31,618.0
Tape	3,961.8	4,087.4	4,332.0	4,702.3	5,242.4	5,479.2
Fibre Channel	1,901.9	2,908.3	4,090.5	5,219.3	6,498.5	8,140.6
Storage total	31,680.8	32,441.9	35,206.0	38,277.8	42,029.0	45,237.7
Peripherals						
Printers	25,781.9	24,961.2	25,410.4	26,194.7	26,900.9	27,340.1
Smart handheld devices	6,207.1	7,183.2	8,463.8	9,915.8	11,545.9	13,177.5
Other add-ons	12,436.0	11,567.1	12,311.6	13,526.0	14,238.4	15,181.2
Peripherals total	44,425.1	43,711.5	46,185.8	49,636.6	52,685.3	55,698.9
Networking equipment	56,678.5	56,430.1	61,984.1	69,614.1	76,730.1	84,434.6
Hardware total	359,446.0	343,454.0	361,928.5	389,823.3	414,137.8	435,957.6
Packaged software total	174,904.8	189,297.1	209,163.6	238,580.4	270,921.2	303,949.4
Services total	411,788.9	448,024.6	494,765.5	549,253.1	610,467.9	676,493.4
Total IT	946,139.7	980,775.7	1,065,857.6	1,177,656.8	1,295,527.0	1,416,400.4

Table 1

Worldwide IT Spending, 2001–2006 ($M)

Key Assumptions:

- There will be no further weakening of economic forecast assumptions.
- Forecasts for 2002 and beyond are a consolidation of research published by various IDC programs, as of June 2002. The timing of revisions to forecasts may vary.

Messages in the Data:

- Hardware spending in 2002 is inhibited by economic anxiety and a reduction in corporate profits, particularly in the United States and Europe.
- Spending on IT services shows less evidence of the slowdown, due to the mission-critical nature and the delivery mechanism for many services contracts.

Source: IDC, June 2002

Table 2
Growth in Worldwide IT Spending, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	8.6	10.8	11.9	12.2	12.4	11.8
Implementation	7.3	9.8	10.8	11.0	11.0	10.6
Support services	7.8	9.2	9.9	10.8	10.3	10.0
Operations management	10.6	11.5	11.5	11.0	10.3	11.1
Training and education	8.3	10.2	11.4	11.7	12.5	11.4
Services total	8.8	10.4	11.0	11.1	10.8	10.9
Packaged software						
System infrastructure software	8.2	11.0	13.8	12.8	12.1	12.4
Appl. development and deployment	7.8	11.3	15.5	15.2	11.9	13.5
Applications	8.5	9.8	13.5	13.2	12.4	12.2
Packaged software total	8.2	10.5	14.1	13.6	12.2	12.6
Hardware						
Systems						
High-end servers	-9.8	-1.7	-1.3	3.7	2.2	0.7
Midrange servers	-4.3	10.0	9.7	10.5	6.5	9.2
Low-end servers	5.0	6.2	5.8	6.8	5.8	6.2
Standard Intel servers	5.2	7.6	11.0	9.9	8.5	9.2
Other low-end servers	4.7	3.5	-5.2	-0.7	-1.7	-1.1
Personal computers	-8.9	3.2	6.8	3.7	2.6	4.1
Traditional workstations	-15.2	-10.5	-10.5	-11.1	-11.1	-10.8
Systems total	-7.0	3.6	6.3	4.5	3.3	4.4
Storage						
Disk systems	-1.4	5.3	5.9	6.8	4.4	5.6
Tape	3.2	6.0	8.5	11.5	4.5	7.6
Fibre Channel	52.9	40.6	27.6	24.5	25.3	29.3
Storage total	2.4	8.5	8.7	9.8	7.6	8.7
Peripherals						
Printers	-3.2	1.8	3.1	2.7	1.6	2.3
Smart handheld devices	15.7	17.8	17.2	16.4	14.1	16.4
Other add-ons	-7.0	6.4	9.9	5.3	6.6	7.0
Peripherals total	-1.6	5.7	7.5	6.1	5.7	6.2
Networking equipment	-0.4	9.8	12.3	10.2	10.0	10.6
Hardware total	-4.4	5.4	7.7	6.2	5.3	6.1
Packaged software total	8.2	10.5	14.1	13.6	12.2	12.6
Services total	8.8	10.4	11.0	11.1	10.8	10.9
Total IT	3.7	8.7	10.5	10.0	9.3	9.6

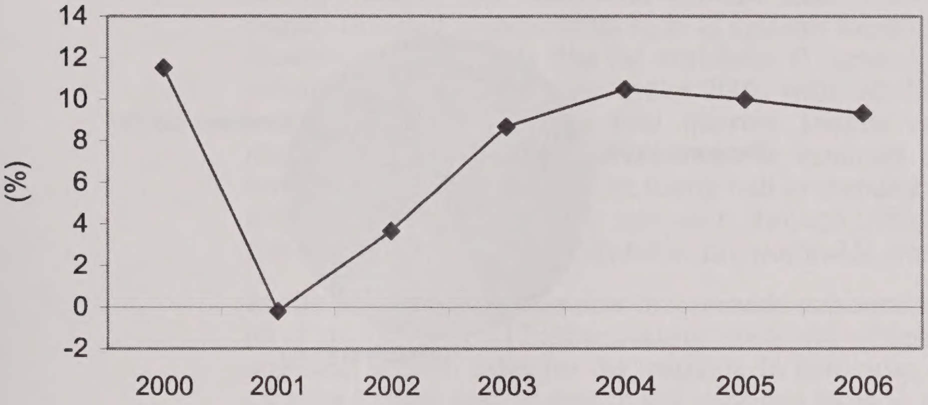
Source: IDC, June 2002

Table 3
Proportions of Worldwide IT Spending Categories, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.8	5.0	5.1	5.2	5.3	5.5
Implementation	10.2	10.6	10.7	10.7	10.8	11.0
Support services	9.9	10.3	10.4	10.3	10.4	10.5
Operations management	15.8	16.8	17.3	17.4	17.6	17.7
Training and education	2.8	2.9	2.9	3.0	3.0	3.1
Services total	43.5	45.7	46.4	46.6	47.1	47.8
Packaged software						
System infrastructure software	5.4	5.6	5.7	5.9	6.0	6.2
Appl. development and deployment	4.4	4.6	4.7	4.9	5.2	5.3
Applications	8.7	9.1	9.2	9.5	9.7	10.0
Packaged software total	18.5	19.3	19.6	20.3	20.9	21.5
Hardware						
Systems						
High-end servers	1.1	1.0	0.9	0.8	0.7	0.7
Midrange servers	1.4	1.3	1.4	1.3	1.3	1.3
Low-end servers	3.1	3.1	3.1	2.9	2.9	2.8
Standard Intel servers	2.1	2.1	2.1	2.1	2.1	2.1
Other low-end servers	1.0	1.0	1.0	0.8	0.8	0.7
Personal computers	17.9	15.7	14.9	14.4	13.6	12.8
Traditional workstations	0.4	0.3	0.3	0.2	0.2	0.1
Systems total	24.0	21.5	20.5	19.7	18.7	17.7
Storage						
Disk systems	2.7	2.6	2.5	2.4	2.3	2.2
Tape	0.4	0.4	0.4	0.4	0.4	0.4
Fibre Channel	0.2	0.3	0.4	0.4	0.5	0.6
Storage total	3.3	3.3	3.3	3.3	3.2	3.2
Peripherals						
Printers	2.7	2.5	2.4	2.2	2.1	1.9
Smart handheld devices	0.7	0.7	0.8	0.8	0.9	0.9
Other add-ons	1.3	1.2	1.2	1.1	1.1	1.1
Peripherals total	4.7	4.5	4.3	4.2	4.1	3.9
Networking equipment	6.0	5.8	5.8	5.9	5.9	6.0
Hardware total	38.0	35.0	34.0	33.1	32.0	30.8
Packaged software total	18.5	19.3	19.6	20.3	20.9	21.5
Services total	43.5	45.7	46.4	46.6	47.1	47.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

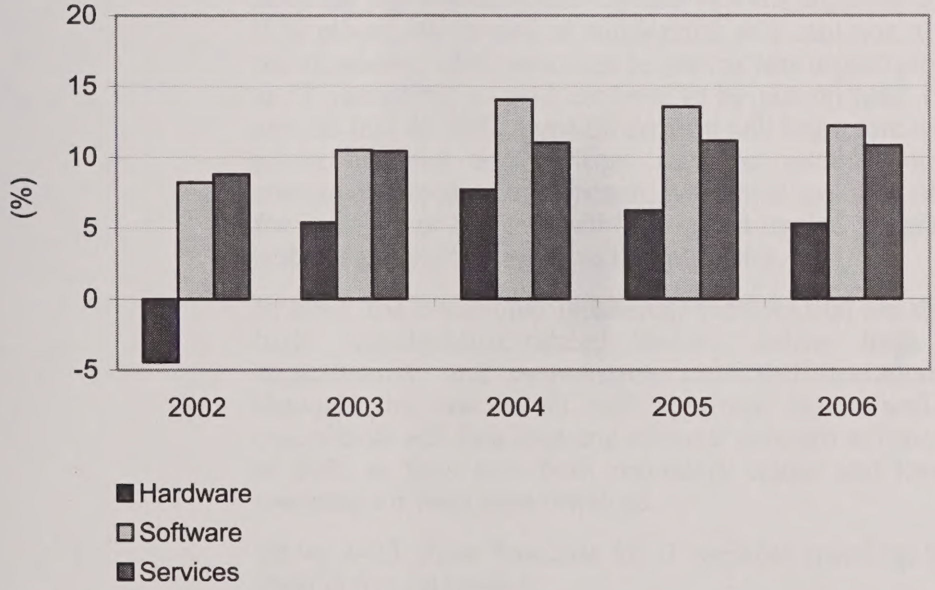
Source: IDC, June 2002

Figure 1
Worldwide IT Spending Growth, 2000–2006



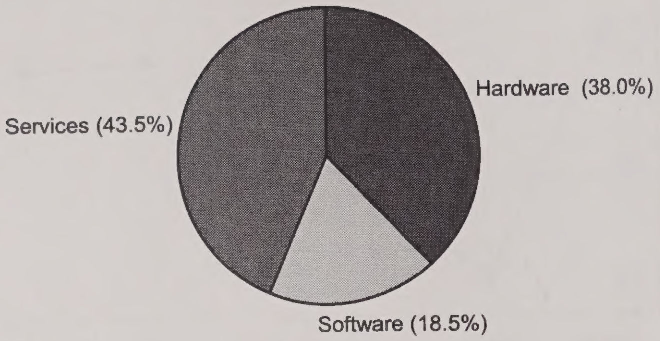
Source: IDC, June 2002

Figure 2
Worldwide IT Spending Growth by Segment, 2002–2006



Source: IDC, June 2002

Figure 3
Worldwide IT Spending Proportions by Segment, 2001



Total = $946.1B

Source: IDC, June 2002

Services

In 2001, the worldwide IT services industry grew by approximately 6% over the previous year. This is well below historical growth rates for the industry and reflects the difficult time vendors had selling project-oriented engagements such as systems integration in 2001. However, IDC forecasts that the worldwide IT services industry will rebound significantly by the end of 2002, with significant year-on-year growth rates by the final quarter. Despite the economic slowdown, the United States continues to dominate the global IT services market, accounting for nearly half of spending in 2001, and will continue to see healthy expansion through 2006, although its five-year CAGR will be slightly below the worldwide average.

In the next five years, services that provide outsourcing of some or all of an enterprise's IT infrastructure needs will witness some of the strongest growth rates for the industry. In particular, IDC predicts that the hottest area of growth will continue to be in offerings that incorporate utilitylike delivery of IT. In particular, offerings such as those from application service providers (ASPs) and systems infrastructure service providers (SISPs) will see robust growth, even though these markets currently comprise only a small fraction of the overall IT services opportunity.

In the short term, the worldwide economic slowdown will continue to affect IT services spending in two ways. First, there will be slightly lower growth in the market as a whole. Growth for 2002 is forecast at 8.8% versus a five-year CAGR of 10.9%. Second, the slowdown will skew the year's growth rates upward in some segments while lowering it in others. All flavors of outsourcing will continue to benefit from the slowdown, while what can be seen as less urgent projects — such as IT consulting — will continue to be put on hold. However, IDC expects that by 2002, pent-up demand will begin forcing spending in project-oriented engagements, such as systems integration and custom application development. When this spending does take hold, the majority of projects will be targeted toward integrating existing systems and platforms across the enterprise.

In 2002, the traditional technology vendors that are able to provide basic infrastructure-related services, deliver large outsourcing engagements, and demonstrate improved operational efficiency through the use of IT will continue to do well. Traditional consultants will face ongoing pressure through at least the first half of 2002 as they face both regulatory issues and lower corporate spending for their core offerings.

Tables 4–23 show forecasts for IT services spending from 2001 to 2006 in five categories.

Table 4
Worldwide IT Consulting Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	22,217.7	23,709.2	25,928.4	28,599.0	31,702.6	35,158.3
Western Europe	15,287.3	16,795.8	18,599.5	20,726.4	23,072.9	25,508.9
Asia/Pacific	5,655.1	6,312.0	7,238.8	8,483.6	9,998.7	12,086.3
Latin America	1,135.5	1,090.3	1,235.9	1,403.4	1,577.1	1,775.3
Eastern Europe	588.6	808.6	966.6	1,145.0	1,353.1	1,598.3
Middle East/Africa	587.3	652.2	744.4	843.5	961.4	1,082.4
Worldwide	45,471.4	49,368.1	54,713.6	61,200.9	68,665.8	77,209.6

Source: IDC, June 2002

Table 5
Growth in Worldwide IT Consulting Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	6.7	9.4	10.3	10.9	10.9	10.4
Western Europe	9.9	10.7	11.4	11.3	10.6	11.0
Asia/Pacific	11.6	14.7	17.2	17.9	20.9	17.6
Latin America	-4.0	13.4	13.6	12.4	12.6	13.0
Eastern Europe	37.4	19.5	18.5	18.2	18.1	18.6
Middle East/Africa	11.0	14.1	13.3	14.0	12.6	13.5
Worldwide	8.6	10.8	11.9	12.2	12.4	11.8

Source: IDC, June 2002

Table 6
Proportions of Worldwide IT Consulting Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	48.9	48.0	47.4	46.7	46.2	45.5
Western Europe	33.6	34.0	34.0	33.9	33.6	33.0
Asia/Pacific	12.4	12.8	13.2	13.9	14.6	15.7
Latin America	2.5	2.2	2.3	2.3	2.3	2.3
Eastern Europe	1.3	1.6	1.8	1.9	2.0	2.1
Middle East/Africa	1.3	1.3	1.4	1.4	1.4	1.4
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 7
IT Consulting as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	2.3	2.4	2.4	2.4	2.4	2.5
Western Europe	1.6	1.7	1.7	1.8	1.8	1.8
Asia/Pacific	0.6	0.6	0.7	0.7	0.8	0.9
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	4.8	5.0	5.1	5.2	5.3	5.5

Source: IDC, June 2002

Table 8
Worldwide Implementation Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	47,046.4	49,678.9	53,979.1	58,995.8	64,776.8	70,713.2
Western Europe	28,754.7	31,541.4	34,817.6	38,694.3	43,006.5	47,453.6
Asia/Pacific	15,290.2	16,663.3	18,383.0	20,728.9	23,417.3	27,194.4
Latin America	2,574.2	2,387.5	2,711.3	3,090.4	3,478.3	3,883.5
Eastern Europe	1,747.8	2,017.8	2,339.6	2,713.5	3,151.9	3,667.9
Middle East/Africa	1,510.3	1,718.1	2,005.7	2,307.1	2,645.5	2,977.3
Worldwide	96,923.6	104,007.1	114,236.4	126,530.1	140,476.3	155,889.7

Source: IDC, June 2002

Table 9
Growth in Worldwide Implementation Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	5.6	8.7	9.3	9.8	9.2	9.2
Western Europe	9.7	10.4	11.1	11.1	10.3	10.8
Asia/Pacific	9.0	10.3	12.8	13.0	16.1	13.0
Latin America	-7.2	13.6	14.0	12.6	11.6	12.9
Eastern Europe	15.4	15.9	16.0	16.2	16.4	16.1
Middle East/Africa	13.8	16.7	15.0	14.7	12.5	14.7
Worldwide	7.3	9.8	10.8	11.0	11.0	10.6

Source: IDC, June 2002

Table 10
Proportions of Worldwide Implementation Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	48.5	47.8	47.3	46.6	46.1	45.4
Western Europe	29.7	30.3	30.5	30.6	30.6	30.4
Asia/Pacific	15.8	16.0	16.1	16.4	16.7	17.4
Latin America	2.7	2.3	2.4	2.4	2.5	2.5
Eastern Europe	1.8	1.9	2.0	2.1	2.2	2.4
Middle East/Africa	1.6	1.7	1.8	1.8	1.9	1.9
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 11
Implementation as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	5.0	5.1	5.1	5.0	5.0	5.0
Western Europe	3.0	3.2	3.3	3.3	3.3	3.4
Asia/Pacific	1.6	1.7	1.7	1.8	1.8	1.9
Latin America	0.3	0.2	0.3	0.3	0.3	0.3
Eastern Europe	0.2	0.2	0.2	0.2	0.2	0.3
Middle East/Africa	0.2	0.2	0.2	0.2	0.2	0.2
Worldwide	10.2	10.6	10.7	10.7	10.8	11.0

Source: IDC, June 2002

Table 12
Worldwide Support Services Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	45,144.5	48,937.3	54,061.4	59,959.5	66,975.2	74,355.3
Western Europe	31,975.0	34,785.6	37,670.2	41,055.2	45,084.3	48,579.6
Asia/Pacific	12,018.1	12,539.2	13,305.1	14,361.8	15,759.5	17,999.6
Latin America	2,606.7	2,624.4	2,865.7	3,113.1	3,384.8	3,672.6
Eastern Europe	880.1	960.2	1,090.3	1,245.0	1,438.0	1,655.4
Middle East/Africa	1,149.6	1,230.5	1,359.7	1,518.9	1,694.7	1,881.9
Worldwide	93,774.0	101,077.2	110,352.2	121,253.5	134,336.5	148,144.4

Source: IDC, June 2002

Table 13
Growth in Worldwide Support Services Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	8.4	10.5	10.9	11.7	11.0	11.0
Western Europe	8.8	8.3	9.0	9.8	7.8	8.7
Asia/Pacific	4.3	6.1	7.9	9.7	14.2	9.5
Latin America	0.7	9.2	8.6	8.7	8.5	8.8
Eastern Europe	9.1	13.5	14.2	15.5	15.1	14.6
Middle East/Africa	7.0	10.5	11.7	11.6	11.0	11.2
Worldwide	7.8	9.2	9.9	10.8	10.3	10.0

Source: IDC, June 2002

Table 14
Proportions of Worldwide Support Services Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	48.1	48.4	49.0	49.4	49.9	50.2
Western Europe	34.1	34.4	34.1	33.9	33.6	32.8
Asia/Pacific	12.8	12.4	12.1	11.8	11.7	12.2
Latin America	2.8	2.6	2.6	2.6	2.5	2.5
Eastern Europe	0.9	0.9	1.0	1.0	1.1	1.1
Middle East/Africa	1.2	1.2	1.2	1.3	1.3	1.3
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 15
Support Services as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	4.8	5.0	5.1	5.1	5.2	5.2
Western Europe	3.4	3.5	3.5	3.5	3.5	3.4
Asia/Pacific	1.3	1.3	1.2	1.2	1.2	1.3
Latin America	0.3	0.3	0.3	0.3	0.3	0.3
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	9.9	10.3	10.4	10.3	10.4	10.5

Source: IDC, June 2002

Table 16
Worldwide Operations Management Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	80,375.7	88,925.7	98,953.4	109,960.4	121,088.6	133,096.3
Western Europe	40,054.1	44,306.4	49,126.1	54,662.2	60,119.1	65,852.2
Asia/Pacific	24,468.1	27,168.0	30,593.3	34,503.8	39,701.6	44,418.6
Latin America	2,719.0	2,790.8	3,230.5	3,709.6	4,260.4	4,872.2
Eastern Europe	302.3	366.0	448.1	536.4	632.0	728.0
Middle East/Africa	1,371.6	1,503.8	1,697.0	1,909.4	2,120.5	2,333.2
Worldwide	149,290.8	165,060.7	184,048.5	205,281.8	227,922.3	251,300.5

Source: IDC, June 2002

Table 17
Growth in Worldwide Operations Management Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	10.6	11.3	11.1	10.1	9.9	10.6
Western Europe	10.6	10.9	11.3	10.0	9.5	10.4
Asia/Pacific	11.0	12.6	12.8	15.1	11.9	13.1
Latin America	2.6	15.8	14.8	14.8	14.4	14.9
Eastern Europe	21.1	22.5	19.7	17.8	15.2	18.8
Middle East/Africa	9.6	12.8	12.5	11.1	10.0	11.6
Worldwide	10.6	11.5	11.5	11.0	10.3	11.1

Source: IDC, June 2002

Table 18
Proportions of Worldwide Operations Management Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	53.8	53.9	53.8	53.6	53.1	53.0
Western Europe	26.8	26.8	26.7	26.6	26.4	26.2
Asia/Pacific	16.4	16.5	16.6	16.8	17.4	17.7
Latin America	1.8	1.7	1.8	1.8	1.9	1.9
Eastern Europe	0.2	0.2	0.2	0.3	0.3	0.3
Middle East/Africa	0.9	0.9	0.9	0.9	0.9	0.9
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 19
Operations Management as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	8.5	9.1	9.3	9.3	9.3	9.4
Western Europe	4.2	4.5	4.6	4.6	4.6	4.6
Asia/Pacific	2.6	2.8	2.9	2.9	3.1	3.1
Latin America	0.3	0.3	0.3	0.3	0.3	0.3
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.1
Middle East/Africa	0.1	0.2	0.2	0.2	0.2	0.2
Worldwide	15.8	16.8	17.3	17.4	17.6	17.7

Source: IDC, June 2002

Table 20
Worldwide Training and Education Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	13,798.7	15,157.0	16,991.6	19,310.1	22,043.2	25,228.4
Western Europe	8,042.4	8,491.1	9,006.6	9,608.5	10,369.8	11,172.4
Asia/Pacific	3,705.9	4,050.5	4,517.3	5,066.8	5,542.9	6,330.4
Latin America	361.5	368.8	414.1	477.7	541.7	606.4
Eastern Europe	191.1	208.5	233.5	259.3	288.7	322.6
Middle East/Africa	229.4	235.8	251.7	264.4	280.7	289.2
Worldwide	26,329.1	28,511.6	31,414.8	34,986.8	39,067.0	43,949.2

Source: IDC, June 2002

Table 21
Growth in Worldwide Training and Education Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.8	12.1	13.6	14.2	14.4	13.6
Western Europe	5.6	6.1	6.7	7.9	7.7	7.1
Asia/Pacific	9.3	11.5	12.2	9.4	14.2	11.8
Latin America	2.0	12.3	15.4	13.4	11.9	13.2
Eastern Europe	9.1	12.0	11.1	11.3	11.7	11.5
Middle East/Africa	2.8	6.8	5.0	6.2	3.0	5.2
Worldwide	8.3	10.2	11.4	11.7	12.5	11.4

Source: IDC, June 2002

Table 22
Proportions of Worldwide Training and Education Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	52.4	53.2	54.1	55.2	56.4	57.4
Western Europe	30.5	29.8	28.7	27.5	26.5	25.4
Asia/Pacific	14.1	14.2	14.4	14.5	14.2	14.4
Latin America	1.4	1.3	1.3	1.4	1.4	1.4
Eastern Europe	0.7	0.7	0.7	0.7	0.7	0.7
Middle East/Africa	0.9	0.8	0.8	0.8	0.7	0.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 23
Training and Education as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	1.5	1.5	1.6	1.6	1.7	1.8
Western Europe	0.9	0.9	0.8	0.8	0.8	0.8
Asia/Pacific	0.4	0.4	0.4	0.4	0.4	0.4
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	2.8	2.9	2.9	3.0	3.0	3.1

Source: IDC, June 2002

Packaged Software

In 2001, the packaged applications market grew 3% from its 2000 total. The growth was based primarily on the continued flow of subscription maintenance revenue supporting enterprise applications. That revenue did not slow in 2001 because it is a natural extension of the strong growth in new and add-on enterprise application licenses in 1999 and 2000.

Almost everything else that factors into packaged applications market growth or deflation (i.e., new licenses, add-ons, and upgrades) did slow down in 2001 because of macroeconomic issues. The growth rate of the market for new enterprise application licenses and seat/function upgrades to previously installed enterprise applications was barely positive.

In particular, accounting, consumer, procurement/sales order processing, and sales applications software markets deflated in 2001; even former-year fast-growing markets for content management, product information management, logistics, professional-services–specific, and marketing applications slowed significantly compared with 1999–2000 results. (These markets are among 38 functional packaged applications markets measured and analyzed by IDC; see idc.com for information on forecasts and analyses of these individual application markets.)

Effectively, the North American recession of mid-2001 permanently sucked $40–50 billion in demand out of the market over the forecast period, including not only applications that will now not be licensed but also the maintenance services that will now not be subscribed to on an ongoing basis. IDC expects some price erosion in the packaged applications market to slow growth as well.

Recovery in 2002 and beyond will rely on a number of drivers. Renewed interest in consumer applications tied to business-to-consumer ecommerce will be one of these. Market-breakout growth in speech and language-translation applications and continued strong growth in content and messaging applications markets will be another.

In the enterprise space, growth of spending on packaged applications will be driven by the buildout in ecommunities. On the other hand, total revenue will be inhibited by the maintenance stream issues described above (i.e., because of the depressed growth in 2001, there will be a related depression in maintenance fees in subsequent years).

Spending on system software, meanwhile, was also significantly depressed in 2001, with an overall decline over 2000 levels. It is indicative of the difficult year that has passed that 9 of the 10 largest companies in the system management software market showed revenue declines from 2000.

IDC expects that the system infrastructure software market will start to recover in the second half of 2002 as the economy improves and IT spending increases. This trend, together with the likely increase in deferred revenue that will be recognized by CA, sets the stage for significant growth to resume in this software market following the downturn in 2001.

Tables 24–35 show forecasts for packaged software spending from 2001 to 2006 in three categories.

Table 24

Worldwide System Infrastructure Software Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	27,542.2	30,136.4	33,762.0	37,868.4	42,491.8	47,262.6
Western Europe	13,601.0	14,288.3	15,388.4	18,009.5	20,202.7	22,386.4
Asia/Pacific	7,515.7	8,299.2	9,349.9	10,723.1	12,438.9	14,632.4
Latin America	842.1	810.7	887.3	961.0	1,025.6	1,082.2
Eastern Europe	575.1	646.8	729.4	817.8	918.6	1,024.4
Middle East/Africa	601.4	667.2	765.2	883.5	1,021.3	1,150.4
Worldwide	50,677.5	54,848.6	60,882.1	69,263.4	78,099.0	87,538.4

Source: IDC, June 2002

Table 25

Growth in Worldwide System Infrastructure Software Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.4	12.0	12.2	12.2	11.2	11.9
Western Europe	5.1	7.7	17.0	12.2	10.8	11.9
Asia/Pacific	10.4	12.7	14.7	16.0	17.6	15.2
Latin America	-3.7	9.4	8.3	6.7	5.5	7.5
Eastern Europe	12.5	12.8	12.1	12.3	11.5	12.2
Middle East/Africa	10.9	14.7	15.5	15.6	12.6	14.6
Worldwide	8.2	11.0	13.8	12.8	12.1	12.4

Source: IDC, June 2002

Table 26
Proportions of Worldwide System Infrastructure Software Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	54.3	54.9	55.5	54.7	54.4	54.0
Western Europe	26.8	26.1	25.3	26.0	25.9	25.6
Asia/Pacific	14.8	15.1	15.4	15.5	15.9	16.7
Latin America	1.7	1.5	1.5	1.4	1.3	1.2
Eastern Europe	1.1	1.2	1.2	1.2	1.2	1.2
Middle East/Africa	1.2	1.2	1.3	1.3	1.3	1.3
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 27
System Infrastructure Software as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	2.9	3.1	3.2	3.2	3.3	3.3
Western Europe	1.4	1.5	1.4	1.5	1.6	1.6
Asia/Pacific	0.8	0.8	0.9	0.9	1.0	1.0
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	5.4	5.6	5.7	5.9	6.0	6.2

Source: IDC, June 2002

Table 28
Worldwide Application Development and Deployment Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	22,078.6	23,949.6	27,006.1	31,073.2	35,520.8	39,403.1
Western Europe	11,930.1	12,698.0	13,772.2	16,204.2	18,952.0	21,278.3
Asia/Pacific	5,437.2	5,959.1	6,688.1	7,692.9	9,018.1	10,503.3
Latin America	1,448.7	1,433.4	1,511.1	1,603.8	1,696.7	1,782.6
Eastern Europe	441.3	499.6	565.7	638.0	720.3	806.6
Middle East/Africa	487.3	540.7	615.8	702.8	819.2	923.4
Worldwide	41,823.1	45,080.5	50,159.1	57,915.0	66,727.1	74,697.4

Source: IDC, June 2002

Table 29

Growth in Worldwide Application Development and Deployment Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	8.5	12.8	15.1	14.3	10.9	13.3
Western Europe	6.4	8.5	17.7	17.0	12.3	13.8
Asia/Pacific	9.6	12.2	15.0	17.2	16.5	15.2
Latin America	-1.1	5.4	6.1	5.8	5.1	5.6
Eastern Europe	13.2	13.2	12.8	12.9	12.0	12.7
Middle East/Africa	11.0	13.9	14.1	16.6	12.7	14.3
Worldwide	7.8	11.3	15.5	15.2	11.9	13.5

Source: IDC, June 2002

Table 30

Proportions of Worldwide Application Development and Deployment Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	52.8	53.1	53.8	53.7	53.2	52.8
Western Europe	28.5	28.2	27.5	28.0	28.4	28.5
Asia/Pacific	13.0	13.2	13.3	13.3	13.5	14.1
Latin America	3.5	3.2	3.0	2.8	2.5	2.4
Eastern Europe	1.1	1.1	1.1	1.1	1.1	1.1
Middle East/Africa	1.2	1.2	1.2	1.2	1.2	1.2
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 31

Application Development and Deployment as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	2.3	2.4	2.5	2.6	2.7	2.8
Western Europe	1.3	1.3	1.3	1.4	1.5	1.5
Asia/Pacific	0.6	0.6	0.6	0.7	0.7	0.7
Latin America	0.2	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.0	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	4.4	4.6	4.7	4.9	5.2	5.3

Source: IDC, June 2002

Table 32
Worldwide Applications Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	44,272.3	48,458.9	53,466.7	59,630.8	66,866.0	74,414.6
Western Europe	24,564.8	25,823.1	27,564.9	32,032.3	36,202.3	40,250.9
Asia/Pacific	9,849.2	11,017.9	12,461.4	14,511.2	17,129.9	20,519.4
Latin America	1,237.0	1,232.1	1,356.3	1,475.0	1,584.9	1,694.4
Eastern Europe	1,195.8	1,378.5	1,581.5	1,796.2	2,030.2	2,287.9
Middle East/Africa	1,285.1	1,457.5	1,691.7	1,956.5	2,281.8	2,546.5
Worldwide	82,404.2	89,368.0	98,122.5	111,402.1	126,095.0	141,713.6

Source: IDC, June 2002

Table 33
Growth in Worldwide Applications Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.5	10.3	11.5	12.1	11.3	11.3
Western Europe	5.1	6.7	16.2	13.0	11.2	11.7
Asia/Pacific	11.9	13.1	16.4	18.0	19.8	16.8
Latin America	-0.4	10.1	8.7	7.4	6.9	8.3
Eastern Europe	15.3	14.7	13.6	13.0	12.7	13.5
Middle East/Africa	13.4	16.1	15.7	16.6	11.6	15.0
Worldwide	8.5	9.8	13.5	13.2	12.4	12.2

Source: IDC, June 2002

Table 34
Proportions of Worldwide Applications Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	53.7	54.2	54.5	53.5	53.0	52.5
Western Europe	29.8	28.9	28.1	28.8	28.7	28.4
Asia/Pacific	12.0	12.3	12.7	13.0	13.6	14.5
Latin America	1.5	1.4	1.4	1.3	1.3	1.2
Eastern Europe	1.5	1.5	1.6	1.6	1.6	1.6
Middle East/Africa	1.6	1.6	1.7	1.8	1.8	1.8
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 35
Applications as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	4.7	4.9	5.0	5.1	5.2	5.3
Western Europe	2.6	2.6	2.6	2.7	2.8	2.8
Asia/Pacific	1.0	1.1	1.2	1.2	1.3	1.4
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.2	0.2	0.2
Middle East/Africa	0.1	0.1	0.2	0.2	0.2	0.2
Worldwide	8.7	9.1	9.2	9.5	9.7	10.0

Source: IDC, June 2002

Hardware

In the wake of September 11 and the economic slowdown, hardware suppliers are increasingly struggling in a segment all too often the first victim of the dreaded spending pullback.

In times of prosperity, hardware sales flourish. Faster systems, bigger hard drives, better video performance, and new productivity devices are all justifiable, even if the purchase decision benefits are vague. On the down side, hardware disproportionately feels the pain. Companies find it easy to put off a hardware purchase decision, particularly if the upgraded product in question is performing at or close to expectations. What's more, the hardware business has improved significantly in terms of product reliability, making the churn of the "break/fix" portion of the business less of a demand driver, especially in the small-business segment.

As usual, semiconductor vendors were the first to feel the deterioration; as orders evaporated quickly, inventories swelled, and prices dropped without having any elastic effects in demand. In the fourth quarter of 2000, PC demand collapsed. Subsequently, each of the major hardware segments has steadily deteriorated in terms of market demand. PCs were followed quickly by printers, a natural sales companion. Next were servers, where the dot-com bust and disintegration of the ISP sector stalled demand and flooded the market with "preowned" equipment. Finally, the disk storage systems business deteriorated. Before storage demand sagged, many suppliers believed that storage purchases could not be put off, owing to the fact that data is constantly created and therefore must be stored. As it turned out, both gigabytes and budget dollars can be more effectively managed and stretched in tough financial times.

The recovery in the hardware segment will be a mixed bag. There are bright spots on the near-term horizon. Server and storage suppliers will recover more gradually, with enterprise spending confidence returning somewhat over the coming months. Across all segments, the hardware game is changing. Success henceforth will not be determined by product feature wars. To find the next round of winners, look to the partnerships and strategic investments that come from this cycle. Over the next year, the hardware industry will see additional consolidation, innovative technology sharing agreements, and more aggressive services partnering than ever before.

Tables 36–107 show forecasts for hardware spending from 2001 to 2006. Tables 108–118 show spending on software, services, and total IT.

Table 36
Worldwide High-End Servers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	4,281.8	3,707.7	3,861.8	3,980.6	4,313.1	4,526.7
Western Europe	3,010.3	3,208.3	3,014.5	2,836.3	2,847.5	2,884.5
Asia/Pacific	2,653.7	2,109.3	1,954.8	1,871.5	1,858.5	1,827.1
Latin America	489.1	381.7	401.6	401.2	397.8	400.7
Eastern Europe	51.7	42.4	51.4	56.0	52.7	55.2
Middle East/Africa	90.9	90.0	94.8	110.6	131.4	121.8
Worldwide	10,577.5	9,539.5	9,378.9	9,256.3	9,601.0	9,815.9

Source: IDC, June 2002

Table 37
Growth in Worldwide High-End Servers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-13.4	4.2	3.1	8.4	5.0	5.1
Western Europe	6.6	-6.0	-5.9	0.4	1.3	-2.6
Asia/Pacific	-20.5	-7.3	-4.3	-0.7	-1.7	-3.5
Latin America	-21.9	5.2	-0.1	-0.8	0.7	1.2
Eastern Europe	-17.9	21.2	9.0	-6.0	4.8	6.8
Middle East/Africa	-1.0	5.3	16.7	18.8	-7.3	7.8
Worldwide	-9.8	-1.7	-1.3	3.7	2.2	0.7

Source: IDC, June 2002

Table 38
Proportions of Worldwide High-End Servers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	40.5	38.9	41.2	43.0	44.9	46.1
Western Europe	28.5	33.6	32.1	30.6	29.7	29.4
Asia/Pacific	25.1	22.1	20.8	20.2	19.4	18.6
Latin America	4.6	4.0	4.3	4.3	4.1	4.1
Eastern Europe	0.5	0.4	0.5	0.6	0.5	0.6
Middle East/Africa	0.9	0.9	1.0	1.2	1.4	1.2
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 39

High-End Servers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.5	0.4	0.4	0.3	0.3	0.3
Western Europe	0.3	0.3	0.3	0.2	0.2	0.2
Asia/Pacific	0.3	0.2	0.2	0.2	0.1	0.1
Latin America	0.1	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	1.1	1.0	0.9	0.8	0.7	0.7

Source: IDC, June 2002

Table 40

Worldwide Midrange Servers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	5,105.6	4,113.0	4,768.7	5,063.8	5,545.9	6,053.2
Western Europe	3,836.0	3,845.1	4,132.9	4,798.9	5,428.7	5,746.1
Asia/Pacific	3,721.1	4,096.3	4,408.2	4,756.6	5,182.2	5,417.2
Latin America	439.0	412.3	426.5	436.5	459.5	492.4
Eastern Europe	312.4	336.4	358.0	372.9	395.6	411.6
Middle East/Africa	292.5	317.3	338.3	399.1	472.6	506.7
Worldwide	13,706.6	13,120.2	14,432.5	15,827.8	17,484.5	18,627.2

Source: IDC, June 2002

Table 41

Growth in Worldwide Midrange Servers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-19.4	15.9	6.2	9.5	9.1	10.1
Western Europe	0.2	7.5	16.1	13.1	5.8	10.6
Asia/Pacific	10.1	7.6	7.9	8.9	4.5	7.2
Latin America	-6.1	3.5	2.4	5.3	7.2	4.5
Eastern Europe	7.7	6.4	4.2	6.1	4.0	5.2
Middle East/Africa	8.5	6.6	18.0	18.4	7.2	12.4
Worldwide	-4.3	10.0	9.7	10.5	6.5	9.2

Source: IDC, June 2002

Table 42

Proportions of Worldwide Midrange Servers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	37.2	31.3	33.0	32.0	31.7	32.5
Western Europe	28.0	29.3	28.6	30.3	31.0	30.8
Asia/Pacific	27.1	31.2	30.5	30.1	29.6	29.1
Latin America	3.2	3.1	3.0	2.8	2.6	2.6
Eastern Europe	2.3	2.6	2.5	2.4	2.3	2.2
Middle East/Africa	2.1	2.4	2.3	2.5	2.7	2.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 43

Midrange Servers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.5	0.4	0.4	0.4	0.4	0.4
Western Europe	0.4	0.4	0.4	0.4	0.4	0.4
Asia/Pacific	0.4	0.4	0.4	0.4	0.4	0.4
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	1.4	1.3	1.4	1.3	1.3	1.3

Source: IDC, June 2002

Table 44

Worldwide Low-End Servers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	11,325.6	12,368.5	13,128.8	13,619.7	14,504.8	14,810.7
Western Europe	8,193.6	8,388.4	8,572.5	8,754.5	9,118.0	9,920.2
Asia/Pacific	7,397.5	7,643.4	8,394.5	9,362.3	10,222.7	10,939.2
Latin America	950.6	865.5	930.3	998.8	1,073.1	1,162.0
Eastern Europe	755.3	805.7	889.1	994.5	1,098.8	1,201.8
Middle East/Africa	790.4	818.3	899.8	996.0	1,084.7	1,207.2
Worldwide	29,412.9	30,889.8	32,815.0	34,725.8	37,102.1	39,241.1

Source: IDC, June 2002

Table 45
Growth in Worldwide Low-End Servers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.2	6.1	3.7	6.5	2.1	4.6
Western Europe	2.4	2.2	2.1	4.2	8.8	4.3
Asia/Pacific	3.3	9.8	11.5	9.2	7.0	9.4
Latin America	-9.0	7.5	7.4	7.4	8.3	7.6
Eastern Europe	6.7	10.4	11.9	10.5	9.4	10.5
Middle East/Africa	3.5	10.0	10.7	8.9	11.3	10.2
Worldwide	5.0	6.2	5.8	6.8	5.8	6.2

Source: IDC, June 2002

Table 46
Proportions of Worldwide Low-End Servers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	38.5	40.0	40.0	39.2	39.1	37.7
Western Europe	27.9	27.2	26.1	25.2	24.6	25.3
Asia/Pacific	25.2	24.7	25.6	27.0	27.6	27.9
Latin America	3.2	2.8	2.8	2.9	2.9	3.0
Eastern Europe	2.6	2.6	2.7	2.9	3.0	3.1
Middle East/Africa	2.7	2.6	2.7	2.9	2.9	3.1
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 47
Low-End Servers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	1.2	1.3	1.2	1.2	1.1	1.0
Western Europe	0.9	0.9	0.8	0.7	0.7	0.7
Asia/Pacific	0.8	0.8	0.8	0.8	0.8	0.8
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	3.1	3.1	3.1	2.9	2.9	2.8

Source: IDC, June 2002

Table 48

Worldwide Standard Intel Servers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	7,844.1	8,556.5	9,110.8	9,770.3	10,712.3	11,397.6
Western Europe	5,443.8	5,528.7	5,771.3	6,618.8	7,263.2	8,023.7
Asia/Pacific	4,716.2	4,899.7	5,501.0	6,245.0	6,881.9	7,497.3
Latin America	665.0	643.0	694.0	753.6	819.9	900.0
Eastern Europe	515.0	536.2	604.8	700.7	803.5	898.1
Middle East/Africa	524.9	562.2	617.6	671.1	729.6	797.2
Worldwide	19,709.1	20,726.3	22,299.5	24,759.5	27,210.5	29,513.8

Source: IDC, June 2002

Table 49

Growth in Worldwide Standard Intel Servers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.1	6.5	7.2	9.6	6.4	7.4
Western Europe	1.6	4.4	14.7	9.7	10.5	9.8
Asia/Pacific	3.9	12.3	13.5	10.2	8.9	11.2
Latin America	-3.3	7.9	8.6	8.8	9.8	8.8
Eastern Europe	4.1	12.8	15.9	14.7	11.8	13.8
Middle East/Africa	7.1	9.9	8.7	8.7	9.3	9.1
Worldwide	5.2	7.6	11.0	9.9	8.5	9.2

Source: IDC, June 2002

Table 50

Proportions of Worldwide Standard Intel Servers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	39.8	41.3	40.9	39.5	39.4	38.6
Western Europe	27.6	26.7	25.9	26.7	26.7	27.2
Asia/Pacific	23.9	23.6	24.7	25.2	25.3	25.4
Latin America	3.4	3.1	3.1	3.0	3.0	3.0
Eastern Europe	2.6	2.6	2.7	2.8	3.0	3.0
Middle East/Africa	2.7	2.7	2.8	2.7	2.7	2.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 51

Standard Intel Servers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.8	0.9	0.9	0.8	0.8	0.8
Western Europe	0.6	0.6	0.5	0.6	0.6	0.6
Asia/Pacific	0.5	0.5	0.5	0.5	0.5	0.5
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	2.1	2.1	2.1	2.1	2.1	2.1

Source: IDC, June 2002

Table 52

Worldwide Other Low-End Servers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	3,481.4	3,812.0	4,018.0	3,849.4	3,792.4	3,413.1
Western Europe	2,749.8	2,859.6	2,801.2	2,135.7	1,854.8	1,896.6
Asia/Pacific	2,681.2	2,743.7	2,893.5	3,117.3	3,340.7	3,442.0
Latin America	285.6	222.5	236.2	245.2	253.2	262.0
Eastern Europe	240.3	269.5	284.4	293.8	295.3	303.7
Middle East/Africa	265.5	256.1	282.2	324.9	355.2	410.0
Worldwide	9,703.8	10,163.5	10,515.5	9,966.3	9,891.6	9,727.4

Source: IDC, June 2002

Table 53

Growth in Worldwide Other Low-End Servers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.5	5.4	-4.2	-1.5	-10.0	-2.7
Western Europe	4.0	-2.0	-23.8	-13.2	2.3	-9.8
Asia/Pacific	2.3	5.5	7.7	7.2	3.0	5.8
Latin America	-22.1	6.2	3.8	3.2	3.5	4.2
Eastern Europe	12.1	5.5	3.3	0.5	2.8	3.0
Middle East/Africa	-3.5	10.2	15.2	9.3	15.4	12.5
Worldwide	4.7	3.5	-5.2	-0.7	-1.7	-1.1

Source: IDC, June 2002

Table 54
Proportions of Worldwide Other Low-End Servers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	35.9	37.5	38.2	38.6	38.3	35.1
Western Europe	28.3	28.1	26.6	21.4	18.8	19.5
Asia/Pacific	27.6	27.0	27.5	31.3	33.8	35.4
Latin America	2.9	2.2	2.2	2.5	2.6	2.7
Eastern Europe	2.5	2.7	2.7	2.9	3.0	3.1
Middle East/Africa	2.7	2.5	2.7	3.3	3.6	4.2
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 55
Other Low-End Servers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.4	0.4	0.4	0.3	0.3	0.2
Western Europe	0.3	0.3	0.3	0.2	0.1	0.1
Asia/Pacific	0.3	0.3	0.3	0.3	0.3	0.2
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	1.0	1.0	1.0	0.8	0.8	0.7

Source: IDC, June 2002

Table 56
Worldwide Personal Computers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	64,953.6	56,344.8	56,736.2	58,164.9	57,000.6	54,635.3
Western Europe	45,102.9	42,264.5	40,786.4	41,786.2	42,576.0	42,797.3
Asia/Pacific	42,808.8	38,974.7	43,300.5	50,466.3	55,331.1	60,214.1
Latin America	8,508.5	8,059.7	8,540.1	9,210.9	10,062.9	11,049.4
Eastern Europe	4,187.8	4,448.1	4,884.0	5,338.2	5,914.0	6,421.7
Middle East/Africa	3,462.8	3,885.8	4,686.4	4,839.9	5,241.1	5,669.6
Worldwide	169,024.2	153,977.5	158,933.7	169,806.4	176,125.6	180,787.4

Source: IDC, June 2002

Table 57

Growth in Worldwide Personal Computers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-13.3	0.7	2.5	-2.0	-4.1	-0.8
Western Europe	-6.3	-3.5	2.5	1.9	0.5	0.3
Asia/Pacific	-9.0	11.1	16.5	9.6	8.8	11.5
Latin America	-5.3	6.0	7.9	9.3	9.8	8.2
Eastern Europe	6.2	9.8	9.3	10.8	8.6	9.6
Middle East/Africa	12.2	20.6	3.3	8.3	8.2	9.9
Worldwide	-8.9	3.2	6.8	3.7	2.6	4.1

Source: IDC, June 2002

Table 58

Proportions of Worldwide Personal Computers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	38.4	36.6	35.7	34.3	32.4	30.2
Western Europe	26.7	27.4	25.7	24.6	24.2	23.7
Asia/Pacific	25.3	25.3	27.2	29.7	31.4	33.3
Latin America	5.0	5.2	5.4	5.4	5.7	6.1
Eastern Europe	2.5	2.9	3.1	3.1	3.4	3.6
Middle East/Africa	2.0	2.5	2.9	2.9	3.0	3.1
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 59

Personal Computers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	6.9	5.7	5.3	4.9	4.4	3.9
Western Europe	4.8	4.3	3.8	3.5	3.3	3.0
Asia/Pacific	4.5	4.0	4.1	4.3	4.3	4.3
Latin America	0.9	0.8	0.8	0.8	0.8	0.8
Eastern Europe	0.4	0.5	0.5	0.5	0.5	0.5
Middle East/Africa	0.4	0.4	0.4	0.4	0.4	0.4
Worldwide	17.9	15.7	14.9	14.4	13.6	12.8

Source: IDC, June 2002

Table 60
Worldwide Traditional Workstations Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	1,881.2	1,623.9	1,460.8	1,311.7	1,170.1	1,045.2
Western Europe	992.7	795.2	700.4	616.9	522.8	455.9
Asia/Pacific	771.4	678.8	604.7	540.8	481.7	430.1
Latin America	179.3	141.6	131.6	120.8	119.0	103.4
Eastern Europe	32.7	27.8	23.6	20.8	18.3	17.2
Middle East/Africa	83.1	76.1	71.4	67.5	68.3	63.0
Worldwide	3,940.5	3,343.5	2,992.5	2,678.5	2,380.1	2,114.9

Source: IDC, June 2002

Table 61
Growth in Worldwide Traditional Workstations Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-13.7	-10.0	-10.2	-10.8	-10.7	-10.4
Western Europe	-19.9	-11.9	-11.9	-15.3	-12.8	-13.0
Asia/Pacific	-12.0	-10.9	-10.6	-10.9	-10.7	-10.8
Latin America	-21.0	-7.1	-8.2	-1.5	-13.1	-7.6
Eastern Europe	-14.8	-15.1	-12.0	-11.9	-6.1	-11.3
Middle East/Africa	-8.5	-6.2	-5.4	1.1	-7.7	-4.6
Worldwide	-15.2	-10.5	-10.5	-11.1	-11.1	-10.8

Source: IDC, June 2002

Table 62
Proportions of Worldwide Traditional Workstations Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	47.7	48.6	48.8	49.0	49.2	49.4
Western Europe	25.2	23.8	23.4	23.0	22.0	21.6
Asia/Pacific	19.6	20.3	20.2	20.2	20.2	20.3
Latin America	4.6	4.2	4.4	4.5	5.0	4.9
Eastern Europe	0.8	0.8	0.8	0.8	0.8	0.8
Middle East/Africa	2.1	2.3	2.4	2.5	2.9	3.0
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 63
Traditional Workstations as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.2	0.2	0.1	0.1	0.1	0.1
Western Europe	0.1	0.1	0.1	0.1	0.0	0.0
Asia/Pacific	0.1	0.1	0.1	0.0	0.0	0.0
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	0.4	0.3	0.3	0.2	0.2	0.1

Source: IDC, June 2002

Table 64
Worldwide Systems Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	87,547.8	78,158.0	79,956.3	82,140.7	82,534.5	81,071.0
Western Europe	61,135.5	58,501.4	57,206.7	58,792.8	60,492.9	61,804.1
Asia/Pacific	57,352.4	53,502.5	58,662.7	66,997.6	73,076.2	78,827.7
Latin America	10,566.5	9,860.8	10,430.0	11,168.1	12,112.4	13,207.9
Eastern Europe	5,339.8	5,660.3	6,206.2	6,782.5	7,479.4	8,107.5
Middle East/Africa	4,719.7	5,187.5	6,090.7	6,413.1	6,998.1	7,568.2
Worldwide	226,661.7	210,870.5	218,552.5	232,294.8	242,693.4	250,586.4

Source: IDC, June 2002

Table 65
Growth in Worldwide Systems Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-10.7	2.3	2.7	0.5	-1.8	0.9
Western Europe	-4.3	-2.2	2.8	2.9	2.2	1.4
Asia/Pacific	-6.7	9.6	14.2	9.1	7.9	10.2
Latin America	-6.7	5.8	7.1	8.5	9.0	7.6
Eastern Europe	6.0	9.6	9.3	10.3	8.4	9.4
Middle East/Africa	9.9	17.4	5.3	9.1	8.1	9.9
Worldwide	-7.0	3.6	6.3	4.5	3.3	4.4

Source: IDC, June 2002

Table 66

Proportions of Worldwide Systems Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	38.6	37.1	36.6	35.4	34.0	32.4
Western Europe	27.0	27.7	26.2	25.3	24.9	24.7
Asia/Pacific	25.3	25.4	26.8	28.8	30.1	31.5
Latin America	4.7	4.7	4.8	4.8	5.0	5.3
Eastern Europe	2.4	2.7	2.8	2.9	3.1	3.2
Middle East/Africa	2.1	2.5	2.8	2.8	2.9	3.0
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 67

Systems Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	9.3	8.0	7.5	7.0	6.4	5.7
Western Europe	6.5	6.0	5.4	5.0	4.7	4.4
Asia/Pacific	6.1	5.5	5.5	5.7	5.6	5.6
Latin America	1.1	1.0	1.0	0.9	0.9	0.9
Eastern Europe	0.6	0.6	0.6	0.6	0.6	0.6
Middle East/Africa	0.5	0.5	0.6	0.5	0.5	0.5
Worldwide	24.0	21.5	20.5	19.7	18.7	17.7

Source: IDC, June 2002

Table 68

Worldwide Disk Systems Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	11,330.0	11,238.6	11,711.5	12,223.1	12,963.9	13,279.8
Western Europe	7,431.2	6,887.0	7,272.0	7,658.0	8,170.0	8,678.5
Asia/Pacific	6,046.5	6,236.0	6,508.0	6,935.0	7,371.0	7,623.7
Latin America	680.6	744.9	924.0	1,096.0	1,258.1	1,422.0
Eastern Europe	209.5	239.7	263.1	305.2	347.1	400.2
Middle East/Africa	119.3	100.0	105.0	139.0	178.0	213.7
Worldwide	25,817.1	25,446.2	26,783.5	28,356.2	30,288.1	31,618.0

Source: IDC, June 2002

Table 69
Growth in Worldwide Disk Systems Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-0.8	4.2	4.4	6.1	2.4	4.3
Western Europe	-7.3	5.6	5.3	6.7	6.2	6.0
Asia/Pacific	3.1	4.4	6.6	6.3	3.4	5.2
Latin America	9.4	24.0	18.6	14.8	13.0	17.5
Eastern Europe	14.4	9.7	16.0	13.7	15.3	13.7
Middle East/Africa	-16.2	5.0	32.4	28.1	20.0	20.9
Worldwide	-1.4	5.3	5.9	6.8	4.4	5.6

Source: IDC, June 2002

Table 70
Proportions of Worldwide Disk Systems Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	43.9	44.2	43.7	43.1	42.8	42.0
Western Europe	28.8	27.1	27.2	27.0	27.0	27.4
Asia/Pacific	23.4	24.5	24.3	24.5	24.3	24.1
Latin America	2.6	2.9	3.4	3.9	4.2	4.5
Eastern Europe	0.8	0.9	1.0	1.1	1.1	1.3
Middle East/Africa	0.5	0.4	0.4	0.5	0.6	0.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 71
Disk Systems as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	1.2	1.1	1.1	1.0	1.0	0.9
Western Europe	0.8	0.7	0.7	0.7	0.6	0.6
Asia/Pacific	0.6	0.6	0.6	0.6	0.6	0.5
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	2.7	2.6	2.5	2.4	2.3	2.2

Source: IDC, June 2002

Table 72
Worldwide Tape Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	2,201.7	2,330.9	2,562.5	2,888.5	3,309.3	3,496.1
Western Europe	1,268.6	1,235.8	1,181.1	1,157.7	1,190.6	1,195.7
Asia/Pacific	215.1	235.0	268.5	308.9	365.8	391.3
Latin America	184.8	190.5	221.6	246.9	266.6	283.3
Eastern Europe	81.8	85.7	88.3	86.3	91.8	94.0
Middle East/Africa	9.8	9.4	10.1	14.0	18.4	18.8
Worldwide	3,961.8	4,087.4	4,332.0	4,702.3	5,242.4	5,479.2

Source: IDC, June 2002

Table 73
Growth in Worldwide Tape Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	5.9	9.9	12.7	14.6	5.6	10.7
Western Europe	-2.6	-4.4	-2.0	2.8	0.4	-0.8
Asia/Pacific	9.2	14.2	15.1	18.4	7.0	13.6
Latin America	3.1	16.4	11.4	8.0	6.3	10.4
Eastern Europe	4.8	2.9	-2.2	6.3	2.5	2.3
Middle East/Africa	-3.5	7.0	38.4	31.5	2.6	18.9
Worldwide	3.2	6.0	8.5	11.5	4.5	7.6

Source: IDC, June 2002

Table 74
Proportions of Worldwide Tape Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	55.6	57.0	59.2	61.4	63.1	63.8
Western Europe	32.0	30.2	27.3	24.6	22.7	21.8
Asia/Pacific	5.4	5.7	6.2	6.6	7.0	7.1
Latin America	4.7	4.7	5.1	5.3	5.1	5.2
Eastern Europe	2.1	2.1	2.0	1.8	1.8	1.7
Middle East/Africa	0.2	0.2	0.2	0.3	0.4	0.3
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 75
Tape as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.2	0.2	0.2	0.2	0.3	0.2
Western Europe	0.1	0.1	0.1	0.1	0.1	0.1
Asia/Pacific	0.0	0.0	0.0	0.0	0.0	0.0
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	0.4	0.4	0.4	0.4	0.4	0.4

Source: IDC, June 2002

Table 76
Worldwide Fibre Channel Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	889.4	1,388.4	1,948.8	2,467.7	3,059.2	3,809.5
Western Europe	582.1	851.2	1,210.4	1,546.9	1,929.0	2,440.5
Asia/Pacific	408.1	633.6	882.8	1,140.2	1,427.8	1,785.5
Latin America	8.6	9.5	11.9	14.2	16.4	18.6
Eastern Europe	10.3	19.5	27.8	38.3	50.4	66.1
Middle East/Africa	3.4	6.1	8.8	12.0	15.7	20.3
Worldwide	1,901.9	2,908.3	4,090.5	5,219.3	6,498.5	8,140.6

Source: IDC, June 2002

Table 77
Growth in Worldwide Fibre Channel Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	56.1	40.4	26.6	24.0	24.5	28.7
Western Europe	46.2	42.2	27.8	24.7	26.5	30.1
Asia/Pacific	55.3	39.3	29.2	25.2	25.1	29.6
Latin America	11.5	25.1	19.1	15.4	13.6	18.2
Eastern Europe	89.7	42.3	37.7	31.6	31.2	35.7
Middle East/Africa	75.8	45.0	36.5	31.3	29.1	35.4
Worldwide	52.9	40.6	27.6	24.5	25.3	29.3

Source: IDC, June 2002

Table 78

Proportions of Worldwide Fibre Channel Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	46.8	47.7	47.6	47.3	47.1	46.8
Western Europe	30.6	29.3	29.6	29.6	29.7	30.0
Asia/Pacific	21.5	21.8	21.6	21.8	22.0	21.9
Latin America	0.5	0.3	0.3	0.3	0.3	0.2
Eastern Europe	0.5	0.7	0.7	0.7	0.8	0.8
Middle East/Africa	0.2	0.2	0.2	0.2	0.2	0.2
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 79

Fibre Channel as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.1	0.1	0.2	0.2	0.2	0.3
Western Europe	0.1	0.1	0.1	0.1	0.1	0.2
Asia/Pacific	0.0	0.1	0.1	0.1	0.1	0.1
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	0.2	0.3	0.4	0.4	0.5	0.6

Source: IDC, June 2002

Table 80

Worldwide Storage Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	14,421.1	14,957.9	16,222.8	17,579.3	19,332.5	20,585.4
Western Europe	9,281.9	8,974.0	9,663.5	10,362.6	11,289.6	12,314.7
Asia/Pacific	6,669.7	7,104.6	7,659.3	8,384.2	9,164.6	9,800.5
Latin America	874.0	944.9	1,157.5	1,357.1	1,541.1	1,724.0
Eastern Europe	301.6	345.0	379.1	429.7	489.2	560.3
Middle East/Africa	132.5	115.5	123.9	165.0	212.1	252.8
Worldwide	31,680.8	32,441.9	35,206.0	38,277.8	42,029.0	45,237.7

Source: IDC, June 2002

Table 81
Growth in Worldwide Storage Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	3.7	8.5	8.4	10.0	6.5	8.3
Western Europe	-3.3	7.7	7.2	8.9	9.1	8.2
Asia/Pacific	6.5	7.8	9.5	9.3	6.9	8.4
Latin America	8.1	22.5	17.2	13.6	11.9	16.2
Eastern Europe	14.4	9.9	13.4	13.8	14.5	12.9
Middle East/Africa	-12.9	7.3	33.2	28.6	19.2	21.6
Worldwide	2.4	8.5	8.7	9.8	7.6	8.7

Source: IDC, June 2002

Table 82
Proportions of Worldwide Storage Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	45.5	46.1	46.1	45.9	46.0	45.5
Western Europe	29.3	27.7	27.4	27.1	26.9	27.2
Asia/Pacific	21.1	21.9	21.8	21.9	21.8	21.7
Latin America	2.8	2.9	3.3	3.5	3.7	3.8
Eastern Europe	1.0	1.1	1.1	1.1	1.2	1.2
Middle East/Africa	0.4	0.4	0.4	0.4	0.5	0.6
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 83
Storage Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	1.5	1.5	1.5	1.5	1.5	1.5
Western Europe	1.0	0.9	0.9	0.9	0.9	0.9
Asia/Pacific	0.7	0.7	0.7	0.7	0.7	0.7
Latin America	0.1	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	3.3	3.3	3.3	3.3	3.2	3.2

Source: IDC, June 2002

Table 84
Worldwide Printers Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	8,628.9	7,639.1	7,529.0	7,807.8	8,101.6	8,219.9
Western Europe	8,014.8	8,138.3	8,214.4	8,199.8	8,145.1	8,018.4
Asia/Pacific	5,930.9	6,117.1	6,486.0	6,768.6	6,981.8	7,207.5
Latin America	1,504.2	1,291.8	1,319.6	1,465.9	1,608.2	1,763.2
Eastern Europe	982.9	1,015.1	1,050.6	1,093.0	1,134.4	1,142.7
Middle East/Africa	720.3	759.9	810.9	859.6	929.9	988.5
Worldwide	25,781.9	24,961.2	25,410.4	26,194.7	26,900.9	27,340.1

Source: IDC, June 2002

Table 85
Growth in Worldwide Printers Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-11.5	-1.4	3.7	3.8	1.5	1.8
Western Europe	1.5	0.9	-0.2	-0.7	-1.6	-0.4
Asia/Pacific	3.1	6.0	4.4	3.2	3.2	4.2
Latin America	-14.1	2.2	11.1	9.7	9.6	8.1
Eastern Europe	3.3	3.5	4.0	3.8	0.7	3.0
Middle East/Africa	5.5	6.7	6.0	8.2	6.3	6.8
Worldwide	-3.2	1.8	3.1	2.7	1.6	2.3

Source: IDC, June 2002

Table 86
Proportions of Worldwide Printers Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	33.5	30.6	29.6	29.8	30.1	30.1
Western Europe	31.1	32.6	32.3	31.3	30.3	29.3
Asia/Pacific	23.0	24.5	25.5	25.8	26.0	26.4
Latin America	5.8	5.2	5.2	5.6	6.0	6.4
Eastern Europe	3.8	4.1	4.1	4.2	4.2	4.2
Middle East/Africa	2.8	3.0	3.2	3.3	3.5	3.6
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 87
Printers as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.9	0.8	0.7	0.7	0.6	0.6
Western Europe	0.8	0.8	0.8	0.7	0.6	0.6
Asia/Pacific	0.6	0.6	0.6	0.6	0.5	0.5
Latin America	0.2	0.1	0.1	0.1	0.1	0.1
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	2.7	2.5	2.4	2.2	2.1	1.9

Source: IDC, June 2002

Table 88
Worldwide Smart Handheld Devices Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	3,303.0	3,680.7	4,004.6	4,282.1	4,575.9	4,771.6
Western Europe	1,331.4	1,534.5	1,709.2	1,845.3	1,926.3	1,949.7
Asia/Pacific	1,116.4	1,365.1	1,925.2	2,724.4	3,751.6	4,875.0
Latin America	250.6	287.4	364.5	444.2	509.8	568.7
Eastern Europe	107.9	172.6	246.8	354.2	463.2	625.1
Middle East/Africa	97.8	142.9	213.4	265.6	319.2	387.4
Worldwide	6,207.1	7,183.2	8,463.8	9,915.8	11,545.9	13,177.5

Source: IDC, June 2002

Table 89
Growth in Worldwide Smart Handheld Devices Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	11.4	8.8	6.9	6.9	4.3	6.7
Western Europe	15.3	11.4	8.0	4.4	1.2	6.2
Asia/Pacific	22.3	41.0	41.5	37.7	29.9	37.5
Latin America	14.7	26.8	21.9	14.8	11.6	18.6
Eastern Europe	60.0	43.0	43.5	30.8	35.0	37.9
Middle East/Africa	46.2	49.3	24.4	20.2	21.4	28.3
Worldwide	15.7	17.8	17.2	16.4	14.1	16.4

Source: IDC, June 2002

Table 90
Proportions of Worldwide Smart Handheld Devices Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	53.2	51.2	47.3	43.2	39.6	36.2
Western Europe	21.4	21.4	20.2	18.6	16.7	14.8
Asia/Pacific	18.0	19.0	22.7	27.5	32.5	37.0
Latin America	4.0	4.0	4.3	4.5	4.4	4.3
Eastern Europe	1.7	2.4	2.9	3.6	4.0	4.7
Middle East/Africa	1.6	2.0	2.5	2.7	2.8	2.9
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 91
Smart Handheld Devices as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.3	0.4	0.4	0.4	0.4	0.3
Western Europe	0.1	0.2	0.2	0.2	0.1	0.1
Asia/Pacific	0.1	0.1	0.2	0.2	0.3	0.3
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	0.7	0.7	0.8	0.8	0.9	0.9

Source: IDC, June 2002

Table 92
Worldwide Other Add-Ons Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	6,007.9	5,390.6	5,672.1	5,827.7	5,929.7	6,061.2
Western Europe	1,814.3	1,814.3	1,868.7	2,279.6	2,373.5	2,675.7
Asia/Pacific	3,947.5	3,625.6	3,946.7	4,487.4	4,880.7	5,254.2
Latin America	170.2	178.9	208.4	245.0	289.8	342.5
Eastern Europe	271.6	300.6	328.1	358.1	392.5	435.3
Middle East/Africa	224.5	257.1	287.7	328.2	372.2	412.3
Worldwide	12,436.0	11,567.1	12,311.6	13,526.0	14,238.4	15,181.2

Source: IDC, June 2002

Table 93
Growth in Worldwide Other Add-Ons Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-10.3	5.2	2.7	1.7	2.2	3.0
Western Europe	–	3.0	22.0	4.1	12.7	10.2
Asia/Pacific	-8.2	8.9	13.7	8.8	7.7	9.7
Latin America	5.1	16.5	17.6	18.3	18.2	17.6
Eastern Europe	10.7	9.1	9.2	9.6	10.9	9.7
Middle East/Africa	14.5	11.9	14.1	13.4	10.8	12.5
Worldwide	-7.0	6.4	9.9	5.3	6.6	7.0

Source: IDC, June 2002

Table 94
Proportions of Worldwide Other Add-Ons Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	48.3	46.6	46.1	43.1	41.6	39.9
Western Europe	14.6	15.7	15.2	16.9	16.7	17.6
Asia/Pacific	31.7	31.3	32.1	33.2	34.3	34.6
Latin America	1.4	1.5	1.7	1.8	2.0	2.3
Eastern Europe	2.2	2.6	2.7	2.6	2.8	2.9
Middle East/Africa	1.8	2.2	2.3	2.4	2.6	2.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 95
Other Add-Ons as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	0.6	0.5	0.5	0.5	0.5	0.4
Western Europe	0.2	0.2	0.2	0.2	0.2	0.2
Asia/Pacific	0.4	0.4	0.4	0.4	0.4	0.4
Latin America	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0
Middle East/Africa	0.0	0.0	0.0	0.0	0.0	0.0
Worldwide	1.3	1.2	1.2	1.1	1.1	1.1

Source: IDC, June 2002

Table 96

Worldwide Peripherals Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	17,939.9	16,710.3	17,205.7	17,917.6	18,607.2	19,052.8
Western Europe	11,160.4	11,487.0	11,792.2	12,324.7	12,444.9	12,643.8
Asia/Pacific	10,994.8	11,107.8	12,358.0	13,980.4	15,614.2	17,336.7
Latin America	1,925.0	1,758.1	1,892.5	2,155.2	2,407.8	2,674.4
Eastern Europe	1,362.3	1,488.3	1,625.5	1,805.3	1,990.0	2,203.1
Middle East/Africa	1,042.6	1,160.0	1,312.0	1,453.4	1,621.2	1,788.1
Worldwide	44,425.1	43,711.5	46,185.8	49,636.6	52,685.3	55,698.9

Source: IDC, June 2002

Table 97

Growth in Worldwide Peripherals Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-6.9	3.0	4.1	3.8	2.4	3.3
Western Europe	2.9	2.7	4.5	1.0	1.6	2.4
Asia/Pacific	1.0	11.3	13.1	11.7	11.0	11.8
Latin America	-8.7	7.6	13.9	11.7	11.1	11.1
Eastern Europe	9.2	9.2	11.1	10.2	10.7	10.3
Middle East/Africa	11.3	13.1	10.8	11.5	10.3	11.4
Worldwide	-1.6	5.7	7.5	6.1	5.7	6.2

Source: IDC, June 2002

Table 98

Proportions of Worldwide Peripherals Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	40.4	38.2	37.3	36.1	35.3	34.2
Western Europe	25.1	26.3	25.5	24.8	23.6	22.7
Asia/Pacific	24.7	25.4	26.8	28.2	29.6	31.1
Latin America	4.3	4.0	4.1	4.3	4.6	4.8
Eastern Europe	3.1	3.4	3.5	3.6	3.8	4.0
Middle East/Africa	2.3	2.7	2.8	2.9	3.1	3.2
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 99
Peripherals Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	1.9	1.7	1.6	1.5	1.4	1.3
Western Europe	1.2	1.2	1.1	1.0	1.0	0.9
Asia/Pacific	1.2	1.1	1.2	1.2	1.2	1.2
Latin America	0.2	0.2	0.2	0.2	0.2	0.2
Eastern Europe	0.1	0.2	0.2	0.2	0.2	0.2
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	4.7	4.5	4.3	4.2	4.1	3.9

Source: IDC, June 2002

Table 100
Worldwide Networking Equipment Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	25,834.2	23,255.2	25,161.7	28,658.6	32,098.9	36,031.6
Western Europe	14,185.1	14,099.7	14,542.9	15,235.5	15,369.8	15,268.0
Asia/Pacific	12,374.6	14,583.0	17,313.4	20,335.6	23,436.9	26,846.2
Latin America	2,223.9	2,170.6	2,365.9	2,519.8	2,676.7	2,833.1
Eastern Europe	1,117.4	1,225.8	1,330.1	1,444.8	1,565.6	1,709.7
Middle East/Africa	943.3	1,095.9	1,270.1	1,419.8	1,582.3	1,746.0
Worldwide	56,678.5	56,430.1	61,984.1	69,614.1	76,730.1	84,434.6

Source: IDC, June 2002

Table 101
Growth in Worldwide Networking Equipment Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-10.0	8.2	13.9	12.0	12.3	11.6
Western Europe	-0.6	3.1	4.8	0.9	-0.7	2.0
Asia/Pacific	17.8	18.7	17.5	15.3	14.5	16.5
Latin America	-2.4	9.0	6.5	6.2	5.8	6.9
Eastern Europe	9.7	8.5	8.6	8.4	9.2	8.7
Middle East/Africa	16.2	15.9	11.8	11.4	10.3	12.3
Worldwide	-0.4	9.8	12.3	10.2	10.0	10.6

Source: IDC, June 2002

Table 102
Proportions of Worldwide Networking Equipment Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	45.6	41.2	40.6	41.2	41.8	42.7
Western Europe	25.0	25.0	23.5	21.9	20.0	18.1
Asia/Pacific	21.8	25.8	27.9	29.2	30.5	31.8
Latin America	3.9	3.8	3.8	3.6	3.5	3.4
Eastern Europe	2.0	2.2	2.1	2.1	2.0	2.0
Middle East/Africa	1.7	1.9	2.0	2.0	2.1	2.1
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 103
Networking Equipment as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	2.7	2.4	2.4	2.4	2.5	2.5
Western Europe	1.5	1.4	1.4	1.3	1.2	1.1
Asia/Pacific	1.3	1.5	1.6	1.7	1.8	1.9
Latin America	0.2	0.2	0.2	0.2	0.2	0.2
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1
Middle East/Africa	0.1	0.1	0.1	0.1	0.1	0.1
Worldwide	6.0	5.8	5.8	5.9	5.9	6.0

Source: IDC, June 2002

Table 104
Worldwide Hardware Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	145,742.9	133,081.4	138,546.4	146,296.2	152,573.0	156,740.8
Western Europe	95,762.9	93,062.1	93,205.3	96,715.6	99,597.1	102,030.5
Asia/Pacific	87,391.5	86,297.8	95,993.4	109,697.7	121,291.9	132,811.1
Latin America	15,589.4	14,734.5	15,845.9	17,200.2	18,738.0	20,439.4
Eastern Europe	8,121.1	8,719.3	9,540.8	10,462.4	11,524.2	12,580.6
Middle East/Africa	6,838.2	7,558.9	8,796.6	9,451.3	10,413.8	11,355.2
Worldwide	359,446.0	343,454.0	361,928.5	389,823.3	414,137.8	435,957.6

Source: IDC, June 2002

Table 105
Growth in Worldwide Hardware Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	-8.7	4.1	5.6	4.3	2.7	4.2
Western Europe	-2.8	0.2	3.8	3.0	2.4	2.3
Asia/Pacific	-1.3	11.2	14.3	10.6	9.5	11.4
Latin America	-5.5	7.5	8.5	8.9	9.1	8.5
Eastern Europe	7.4	9.4	9.7	10.1	9.2	9.6
Middle East/Africa	10.5	16.4	7.4	10.2	9.0	10.7
Worldwide	-4.4	5.4	7.7	6.2	5.3	6.1

Source: IDC, June 2002

Table 106
Proportions of Worldwide Hardware Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	40.5	38.7	38.3	37.5	36.8	36.0
Western Europe	26.6	27.1	25.8	24.8	24.0	23.4
Asia/Pacific	24.3	25.1	26.5	28.1	29.3	30.5
Latin America	4.3	4.3	4.4	4.4	4.5	4.7
Eastern Europe	2.3	2.5	2.6	2.7	2.8	2.9
Middle East/Africa	1.9	2.2	2.4	2.4	2.5	2.6
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 107
Hardware Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	15.4	13.6	13.0	12.4	11.8	11.1
Western Europe	10.1	9.5	8.7	8.2	7.7	7.2
Asia/Pacific	9.2	8.8	9.0	9.3	9.4	9.4
Latin America	1.6	1.5	1.5	1.5	1.4	1.4
Eastern Europe	0.9	0.9	0.9	0.9	0.9	0.9
Middle East/Africa	0.7	0.8	0.8	0.8	0.8	0.8
Worldwide	38.0	35.0	34.0	33.1	32.0	30.8

Source: IDC, June 2002

Table 108
Worldwide Packaged Software Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	93,893.1	102,544.9	114,234.8	128,572.4	144,878.7	161,080.3
Western Europe	50,095.9	52,809.4	56,725.4	66,246.0	75,357.1	83,915.7
Asia/Pacific	22,802.1	25,276.2	28,499.4	32,927.3	38,586.9	45,655.1
Latin America	3,527.8	3,476.2	3,754.8	4,039.8	4,307.2	4,559.2
Eastern Europe	2,212.1	2,524.9	2,876.6	3,252.1	3,669.1	4,118.9
Middle East/Africa	2,373.8	2,665.5	3,072.7	3,542.8	4,122.3	4,620.3
Worldwide	174,904.8	189,297.1	209,163.6	238,580.4	270,921.2	303,949.4

Source: IDC, June 2002

Table 109
Growth in Worldwide Packaged Software Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	9.2	11.4	12.6	12.7	11.2	12.0
Western Europe	5.4	7.4	16.8	13.8	11.4	12.3
Asia/Pacific	10.9	12.8	15.5	17.2	18.3	15.9
Latin America	-1.5	8.0	7.6	6.6	5.9	7.0
Eastern Europe	14.1	13.9	13.1	12.8	12.3	13.0
Middle East/Africa	12.3	15.3	15.3	16.4	12.1	14.7
Worldwide	8.2	10.5	14.1	13.6	12.2	12.6

Source: IDC, June 2002

Table 110
Proportions of Worldwide Packaged Software Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	53.7	54.2	54.6	53.9	53.5	53.0
Western Europe	28.6	27.9	27.1	27.8	27.8	27.6
Asia/Pacific	13.0	13.4	13.6	13.8	14.2	15.0
Latin America	2.0	1.8	1.8	1.7	1.6	1.5
Eastern Europe	1.3	1.3	1.4	1.4	1.4	1.4
Middle East/Africa	1.4	1.4	1.5	1.5	1.5	1.5
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 111
Packaged Software Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	9.9	10.5	10.7	10.9	11.2	11.4
Western Europe	5.3	5.4	5.3	5.6	5.8	5.9
Asia/Pacific	2.4	2.6	2.7	2.8	3.0	3.2
Latin America	0.4	0.4	0.4	0.3	0.3	0.3
Eastern Europe	0.2	0.3	0.3	0.3	0.3	0.3
Middle East/Africa	0.3	0.3	0.3	0.3	0.3	0.3
Worldwide	18.5	19.3	19.6	20.3	20.9	21.5

Source: IDC, June 2002

Table 112
Worldwide Services Total Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	208,583.1	226,408.1	249,913.8	276,824.8	306,586.4	338,551.4
Western Europe	124,113.5	135,920.3	149,220.0	164,746.7	181,652.6	198,566.6
Asia/Pacific	61,137.4	66,732.9	74,037.6	83,144.9	94,420.1	108,029.2
Latin America	9,396.9	9,261.9	10,457.6	11,794.2	13,242.4	14,809.9
Eastern Europe	3,709.7	4,361.0	5,078.1	5,899.2	6,863.6	7,972.2
Middle East/Africa	4,848.3	5,340.3	6,058.5	6,843.3	7,702.7	8,564.0
Worldwide	411,788.9	448,024.6	494,765.5	549,253.1	610,467.9	676,493.4

Source: IDC, June 2002

Table 113
Growth in Worldwide Services Total Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	8.5	10.4	10.8	10.8	10.4	10.6
Western Europe	9.5	9.8	10.4	10.3	9.3	9.9
Asia/Pacific	9.2	10.9	12.3	13.6	14.4	12.8
Latin America	-1.4	12.9	12.8	12.3	11.8	12.5
Eastern Europe	17.6	16.4	16.2	16.3	16.2	16.3
Middle East/Africa	10.1	13.4	13.0	12.6	11.2	12.5
Worldwide	8.8	10.4	11.0	11.1	10.8	10.9

Source: IDC, June 2002

Table 114
Proportions of Worldwide Services Total Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	50.7	50.5	50.5	50.4	50.2	50.0
Western Europe	30.1	30.3	30.2	30.0	29.8	29.4
Asia/Pacific	14.8	14.9	15.0	15.1	15.5	16.0
Latin America	2.3	2.1	2.1	2.1	2.2	2.2
Eastern Europe	0.9	1.0	1.0	1.1	1.1	1.2
Middle East/Africa	1.2	1.2	1.2	1.2	1.3	1.3
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 115
Services Total as a Proportion of Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	22.0	23.1	23.4	23.5	23.7	23.9
Western Europe	13.1	13.9	14.0	14.0	14.0	14.0
Asia/Pacific	6.5	6.8	6.9	7.1	7.3	7.6
Latin America	1.0	0.9	1.0	1.0	1.0	1.0
Eastern Europe	0.4	0.4	0.5	0.5	0.5	0.6
Middle East/Africa	0.5	0.5	0.6	0.6	0.6	0.6
Worldwide	43.5	45.7	46.4	46.6	47.1	47.8

Source: IDC, June 2002

Table 116
Worldwide Total IT Spending by Region, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
North America	448,219.1	462,034.4	502,695.0	551,693.5	604,038.1	656,372.5
Western Europe	269,972.3	281,791.8	299,150.8	327,708.3	356,606.8	384,512.8
Asia/Pacific	171,330.9	178,306.9	198,530.4	225,769.8	254,298.9	286,495.4
Latin America	28,514.1	27,472.5	30,058.2	33,034.2	36,287.6	39,808.5
Eastern Europe	14,043.0	15,605.3	17,495.4	19,613.6	22,056.8	24,671.7
Middle East/Africa	14,060.4	15,564.8	17,927.8	19,837.4	22,238.8	24,539.5
Worldwide	946,139.7	980,775.7	1,065,857.6	1,177,656.8	1,295,527.0	1,416,400.4

Source: IDC, June 2002

Table 117
Growth in Worldwide Total IT Spending by Region, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
North America	3.1	8.8	9.7	9.5	8.7	9.2
Western Europe	4.4	6.2	9.5	8.8	7.8	8.1
Asia/Pacific	4.1	11.3	13.7	12.6	12.7	12.6
Latin America	-3.7	9.4	9.9	9.8	9.7	9.7
Eastern Europe	11.1	12.1	12.1	12.5	11.9	12.1
Middle East/Africa	10.7	15.2	10.7	12.1	10.3	12.1
Worldwide	3.7	8.7	10.5	10.0	9.3	9.6

Source: IDC, June 2002

Table 118
Proportions of Worldwide Total IT Spending by Region, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
North America	47.4	47.1	47.2	46.8	46.6	46.3
Western Europe	28.5	28.7	28.1	27.8	27.5	27.1
Asia/Pacific	18.1	18.2	18.6	19.2	19.6	20.2
Latin America	3.0	2.8	2.8	2.8	2.8	2.8
Eastern Europe	1.5	1.6	1.6	1.7	1.7	1.7
Middle East/Africa	1.5	1.6	1.7	1.7	1.7	1.7
Worldwide	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

North America

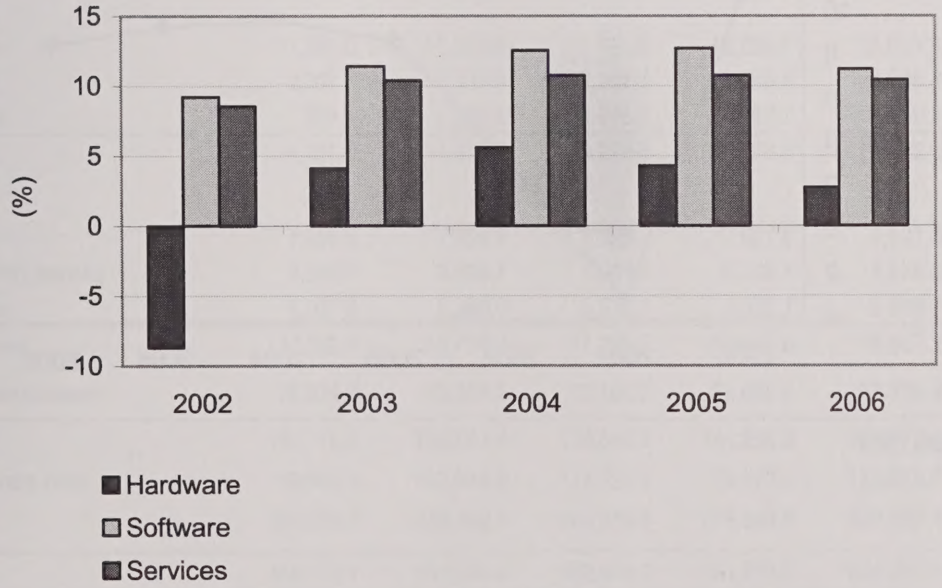
With the gradual economic recovery not yet translating into a sustained recovery of business profits, many companies remain hesitant with regard to IT spending increases. As a result, spending in the first half of the year has seen only a slight improvement, though enough to establish that the bottom has been reached and left behind. The bellwether PC market remains mired in recession, impacted by price competition, weakening demand, and prolonged life cycles.

Overall, we remain broadly positive on the underlying strengths of the IT market in North America. To some extent, the x-factor is still the wider economy. While the gradual economic recovery appears well on course and in line with our predictions at the beginning of 2002, there remains the potential for disruptive factors, such as a spiraling of the current accounting scandals, which have already had some impact on business and consumer confidence. While there is no direct correlation between stock market valuations and GDP growth, there can be a significant impact on the mood of caution and uncertainty, which remains the number 1 inhibitor against increases in IT spending.

Figures 4–6 show worldwide IT spending from 2000 to 2006.

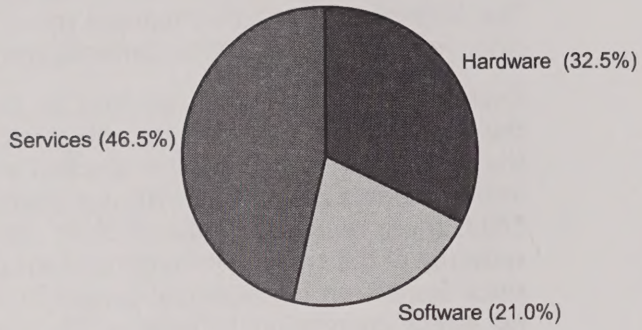
Tables 119–132 show forecasts for North America IT spending from 2001–2006.

Figure 4
North America IT Spending Growth by Segment, 2002–2006



Source: IDC, June 2002

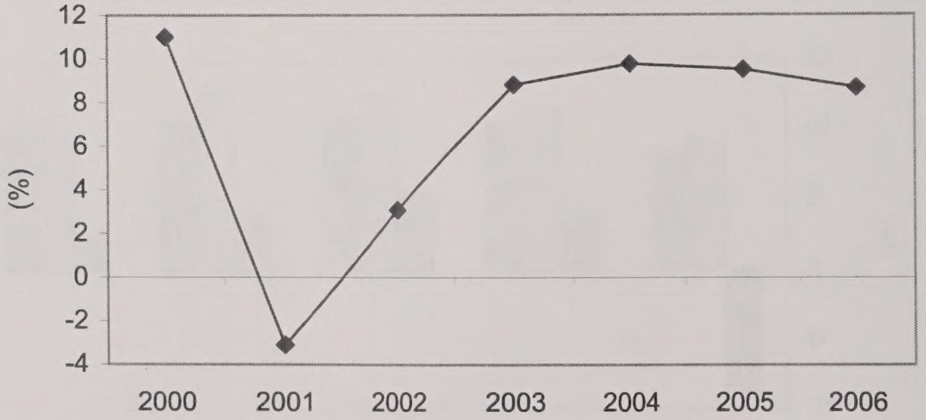
Figure 5
North America IT Spending Proportions by Segment, 2001



Total = $448.2B

Source: IDC, June 2002

Figure 6
North America IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 119
IT Spending in North America, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	22,217.7	23,709.2	25,928.4	28,599.0	31,702.6	35,158.3
Implementation	47,046.4	49,678.9	53,979.1	58,995.8	64,776.8	70,713.2
Support services	45,144.5	48,937.3	54,061.4	59,959.5	66,975.2	74,355.3
Operations management	80,375.7	88,925.7	98,953.4	109,960.4	121,088.6	133,096.3
Training and education	13,798.7	15,157.0	16,991.6	19,310.1	22,043.2	25,228.4
Services total	208,583.1	226,408.1	249,913.8	276,824.8	306,586.4	338,551.4
Packaged software						
System infrastructure software	27,542.2	30,136.4	33,762.0	37,868.4	42,491.8	47,262.6
Appl. development and deployment	22,078.6	23,949.6	27,006.1	31,073.2	35,520.8	39,403.1
Applications	44,272.3	48,458.9	53,466.7	59,630.8	66,866.0	74,414.6
Packaged software total	93,893.1	102,544.9	114,234.8	128,572.4	144,878.7	161,080.3
Hardware						
Systems						
High-end servers	4,281.8	3,707.7	3,861.8	3,980.6	4,313.1	4,526.7
Midrange servers	5,105.6	4,113.0	4,768.7	5,063.8	5,545.9	6,053.2
Low-end servers	11,325.6	12,368.5	13,128.8	13,619.7	14,504.8	14,810.7
Standard Intel servers	7,844.1	8,556.5	9,110.8	9,770.3	10,712.3	11,397.6
Other low-end servers	3,481.4	3,812.0	4,018.0	3,849.4	3,792.4	3,413.1
Personal computers	64,953.6	56,344.8	56,736.2	58,164.9	57,000.6	54,635.3
Traditional workstations	1,881.2	1,623.9	1,460.8	1,311.7	1,170.1	1,045.2
Systems total	87,547.8	78,158.0	79,956.3	82,140.7	82,534.5	81,071.0
Storage						
Disk systems	11,330.0	11,238.6	11,711.5	12,223.1	12,963.9	13,279.8
Tape	2,201.7	2,330.9	2,562.5	2,888.5	3,309.3	3,496.1
Fibre Channel	889.4	1,388.4	1,948.8	2,467.7	3,059.2	3,809.5
Storage total	14,421.1	14,957.9	16,222.8	17,579.3	19,332.5	20,585.4
Peripherals						
Printers	8,628.9	7,639.1	7,529.0	7,807.8	8,101.6	8,219.9
Smart handheld devices	3,303.0	3,680.7	4,004.6	4,282.1	4,575.9	4,771.6
Other add-ons	6,007.9	5,390.6	5,672.1	5,827.7	5,929.7	6,061.2
Peripherals total	17,939.9	16,710.3	17,205.7	17,917.6	18,607.2	19,052.8
Networking equipment	25,834.2	23,255.2	25,161.7	28,658.6	32,098.9	36,031.6
Hardware total	145,742.9	133,081.4	138,546.4	146,296.2	152,573.0	156,740.8
Packaged software total	93,893.1	102,544.9	114,234.8	128,572.4	144,878.7	161,080.3
Services total	208,583.1	226,408.1	249,913.8	276,824.8	306,586.4	338,551.4
Total IT	448,219.1	462,034.4	502,695.0	551,693.5	604,038.1	656,372.5

Source: IDC, June 2002

Table 120
Growth in IT Spending in North America, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	6.7	9.4	10.3	10.9	10.9	10.4
Implementation	5.6	8.7	9.3	9.8	9.2	9.2
Support services	8.4	10.5	10.9	11.7	11.0	11.0
Operations management	10.6	11.3	11.1	10.1	9.9	10.6
Training and education	9.8	12.1	13.6	14.2	14.4	13.6
Services total	8.5	10.4	10.8	10.8	10.4	10.6
Packaged software						
System infrastructure software	9.4	12.0	12.2	12.2	11.2	11.9
Appl. development and deployment	8.5	12.8	15.1	14.3	10.9	13.3
Applications	9.5	10.3	11.5	12.1	11.3	11.3
Packaged software total	9.2	11.4	12.6	12.7	11.2	12.0
Hardware						
Systems						
High-end servers	-13.4	4.2	3.1	8.4	5.0	5.1
Midrange servers	-19.4	15.9	6.2	9.5	9.1	10.1
Low-end servers	9.2	6.1	3.7	6.5	2.1	4.6
Standard Intel servers	9.1	6.5	7.2	9.6	6.4	7.4
Other low-end servers	9.5	5.4	-4.2	-1.5	-10.0	-2.7
Personal computers	-13.3	0.7	2.5	-2.0	-4.1	-0.8
Traditional workstations	-13.7	-10.0	-10.2	-10.8	-10.7	-10.4
Systems total	-10.7	2.3	2.7	0.5	-1.8	0.9
Storage						
Disk systems	-0.8	4.2	4.4	6.1	2.4	4.3
Tape	5.9	9.9	12.7	14.6	5.6	10.7
Fibre Channel	56.1	40.4	26.6	24.0	24.5	28.7
Storage total	3.7	8.5	8.4	10.0	6.5	8.3
Peripherals						
Printers	-11.5	-1.4	3.7	3.8	1.5	1.8
Smart handheld devices	11.4	8.8	6.9	6.9	4.3	6.7
Other add-ons	-10.3	5.2	2.7	1.7	2.2	3.0
Peripherals total	-6.9	3.0	4.1	3.8	2.4	3.3
Networking equipment	-10.0	8.2	13.9	12.0	12.3	11.6
Hardware total	-8.7	4.1	5.6	4.3	2.7	4.2
Packaged software total	9.2	11.4	12.6	12.7	11.2	12.0
Services total	8.5	10.4	10.8	10.8	10.4	10.6
Total IT	3.1	8.8	9.7	9.5	8.7	9.2

Source: IDC, June 2002

Table 121
Proportions of IT Spending Categories in North America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.0	5.1	5.2	5.2	5.2	5.4
Implementation	10.5	10.8	10.7	10.7	10.7	10.8
Support services	10.1	10.6	10.8	10.9	11.1	11.3
Operations management	17.9	19.2	19.7	19.9	20.0	20.3
Training and education	3.1	3.3	3.4	3.5	3.6	3.8
Services total	46.5	49.0	49.7	50.2	50.8	51.6
Packaged software						
System infrastructure software	6.1	6.5	6.7	6.9	7.0	7.2
Appl. development and deployment	4.9	5.2	5.4	5.6	5.9	6.0
Applications	9.9	10.5	10.6	10.8	11.1	11.3
Packaged software total	20.9	22.2	22.7	23.3	24.0	24.5
Hardware						
Systems						
High-end servers	1.0	0.8	0.8	0.7	0.7	0.7
Midrange servers	1.1	0.9	0.9	0.9	0.9	0.9
Low-end servers	2.5	2.7	2.6	2.5	2.4	2.3
Standard Intel servers	1.8	1.9	1.8	1.8	1.8	1.7
Other low-end servers	0.8	0.8	0.8	0.7	0.6	0.5
Personal computers	14.5	12.2	11.3	10.5	9.4	8.3
Traditional workstations	0.4	0.4	0.3	0.2	0.2	0.2
Systems total	19.5	16.9	15.9	14.9	13.7	12.4
Storage						
Disk systems	2.5	2.4	2.3	2.2	2.1	2.0
Tape	0.5	0.5	0.5	0.5	0.5	0.5
Fibre Channel	0.2	0.3	0.4	0.4	0.5	0.6
Storage total	3.2	3.2	3.2	3.2	3.2	3.1
Peripherals						
Printers	1.9	1.7	1.5	1.4	1.3	1.3
Smart handheld devices	0.7	0.8	0.8	0.8	0.8	0.7
Other add-ons	1.3	1.2	1.1	1.1	1.0	0.9
Peripherals total	4.0	3.6	3.4	3.2	3.1	2.9
Networking equipment	5.8	5.0	5.0	5.2	5.3	5.5
Hardware total	32.5	28.8	27.6	26.5	25.3	23.9
Packaged software total	20.9	22.2	22.7	23.3	24.0	24.5
Services total	46.5	49.0	49.7	50.2	50.8	51.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 122
North America Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	48.9	48.0	47.4	46.7	46.2	45.5
Implementation	48.5	47.8	47.3	46.6	46.1	45.4
Support services	48.1	48.4	49.0	49.4	49.9	50.2
Operations management	53.8	53.9	53.8	53.6	53.1	53.0
Training and education	52.4	53.2	54.1	55.2	56.4	57.4
Services total	50.7	50.5	50.5	50.4	50.2	50.0
Packaged software						
System infrastructure software	54.3	54.9	55.5	54.7	54.4	54.0
Appl. development and deployment	52.8	53.1	53.8	53.7	53.2	52.8
Applications	53.7	54.2	54.5	53.5	53.0	52.5
Packaged software total	53.7	54.2	54.6	53.9	53.5	53.0
Hardware						
Systems						
High-end servers	40.5	38.9	41.2	43.0	44.9	46.1
Midrange servers	37.2	31.3	33.0	32.0	31.7	32.5
Low-end servers	38.5	40.0	40.0	39.2	39.1	37.7
Standard Intel servers	39.8	41.3	40.9	39.5	39.4	38.6
Other low-end servers	35.9	37.5	38.2	38.6	38.3	35.1
Personal computers	38.4	36.6	35.7	34.3	32.4	30.2
Traditional workstations	47.7	48.6	48.8	49.0	49.2	49.4
Systems total	38.6	37.1	36.6	35.4	34.0	32.4
Storage						
Disk systems	43.9	44.2	43.7	43.1	42.8	42.0
Tape	55.6	57.0	59.2	61.4	63.1	63.8
Fibre Channel	46.8	47.7	47.6	47.3	47.1	46.8
Storage total	45.5	46.1	46.1	45.9	46.0	45.5
Peripherals						
Printers	33.5	30.6	29.6	29.8	30.1	30.1
Smart handheld devices	53.2	51.2	47.3	43.2	39.6	36.2
Other add-ons	48.3	46.6	46.1	43.1	41.6	39.9
Peripherals total	40.4	38.2	37.3	36.1	35.3	34.2
Networking equipment	45.6	41.2	40.6	41.2	41.8	42.7
Hardware total	40.5	38.7	38.3	37.5	36.8	36.0
Packaged software total	53.7	54.2	54.6	53.9	53.5	53.0
Services total	50.7	50.5	50.5	50.4	50.2	50.0
Total IT	47.4	47.1	47.2	46.8	46.6	46.3

Source: IDC, June 2002

Table 123
IT Spending in Canada, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	663.2	698.9	742.1	801.5	873.6	961.0
Implementation	4,021.4	4,196.8	4,524.5	4,920.8	5,384.1	5,911.1
Support services	1,679.7	1,763.5	1,875.9	1,988.7	2,103.4	2,232.2
Operations management	3,571.7	4,027.0	4,527.9	5,137.9	5,733.9	6,334.0
Training and education	650.9	707.3	770.6	849.1	940.9	1,046.4
Services total	10,586.9	11,393.5	12,441.0	13,698.0	15,035.9	16,484.7
Packaged software						
System infrastructure software	1,326.2	1,437.0	1,567.1	1,754.7	1,972.5	2,223.8
Appl. development and deployment	1,249.1	1,329.6	1,453.9	1,671.5	1,935.6	2,246.2
Applications	2,384.1	2,603.5	2,889.2	3,274.9	3,738.4	4,279.0
Packaged software total	4,959.3	5,370.2	5,910.2	6,701.1	7,646.5	8,749.0
Hardware						
Systems						
High-end servers	247.5	250.2	234.6	235.8	254.4	313.8
Midrange servers	474.7	420.1	412.1	420.6	456.1	460.5
Low-end servers	719.4	787.1	854.4	909.3	941.4	984.9
Standard Intel servers	444.2	465.6	523.8	555.2	524.4	502.8
Other low-end servers	275.2	321.5	330.6	354.0	417.0	482.2
Personal computers	4,134.9	3,458.9	3,455.1	3,376.0	3,101.8	2,949.8
Traditional workstations	222.1	211.1	200.8	194.3	186.6	176.3
Systems total	5,798.6	5,127.4	5,157.0	5,136.0	4,940.2	4,885.2
Storage						
Disk systems	1,138.8	1,170.6	1,225.5	1,307.1	1,477.9	1,619.1
Tape	148.0	166.2	181.4	203.9	224.6	247.7
Fibre Channel	91.1	144.0	203.4	262.7	347.3	429.1
Storage total	1,378.0	1,480.8	1,610.3	1,773.7	2,049.8	2,295.9
Peripherals						
Printers	523.6	458.4	426.3	405.5	383.9	366.1
Smart handheld devices	233.8	275.9	295.2	311.3	328.3	343.3
Other add-ons	616.6	657.0	691.8	723.0	756.9	789.5
Peripherals total	1,374.1	1,391.3	1,413.3	1,439.7	1,469.2	1,498.9
Networking equipment	1,000.8	1,062.1	1,133.8	1,221.6	1,313.9	1,403.7
Hardware total	9,551.4	9,061.7	9,314.4	9,571.1	9,773.1	10,083.7
Packaged software total	4,959.3	5,370.2	5,910.2	6,701.1	7,646.5	8,749.0
Services total	10,586.9	11,393.5	12,441.0	13,698.0	15,035.9	16,484.7
Total IT	25,097.6	25,825.3	27,665.6	29,970.2	32,455.5	35,317.4

Source: IDC, June 2002

Table 124
Growth in IT Spending in Canada, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	5.4	6.2	8.0	9.0	10.0	8.3
Implementation	4.4	7.8	8.8	9.4	9.8	8.9
Support services	5.0	6.4	6.0	5.8	6.1	6.1
Operations management	12.7	12.4	13.5	11.6	10.5	12.0
Training and education	8.7	8.9	10.2	10.8	11.2	10.3
Services total	7.6	9.2	10.1	9.8	9.6	9.7
Packaged software						
System infrastructure software	8.4	9.1	12.0	12.4	12.7	11.5
Appl. development and deployment	6.4	9.3	15.0	15.8	16.0	14.0
Applications	9.2	11.0	13.4	14.2	14.5	13.2
Packaged software total	8.3	10.1	13.4	14.1	14.4	13.0
Hardware						
Systems						
High-end servers	1.1	-6.3	0.5	7.9	23.4	5.8
Midrange servers	-11.5	-1.9	2.1	8.4	1.0	2.3
Low-end servers	9.4	8.6	6.4	3.5	4.6	5.8
Standard Intel servers	4.8	12.5	6.0	-5.6	-4.1	1.9
Other low-end servers	16.8	2.8	7.1	17.8	15.6	10.7
Personal computers	-16.3	-0.1	-2.3	-8.1	-4.9	-3.9
Traditional workstations	-4.9	-4.9	-3.2	-4.0	-5.5	-4.4
Systems total	-11.6	0.6	-0.4	-3.8	-1.1	-1.2
Storage						
Disk systems	2.8	4.7	6.7	13.1	9.6	8.4
Tape	12.3	9.1	12.4	10.2	10.3	10.5
Fibre Channel	58.0	41.3	29.1	32.2	23.5	31.4
Storage total	7.5	8.7	10.2	15.6	12.0	11.6
Peripherals						
Printers	-12.4	-7.0	-4.9	-5.3	-4.6	-5.5
Smart handheld devices	18.0	7.0	5.4	5.5	4.6	5.6
Other add-ons	6.5	5.3	4.5	4.7	4.3	4.7
Peripherals total	1.3	1.6	1.9	2.0	2.0	1.9
Networking equipment	6.1	6.7	7.7	7.6	6.8	7.2
Hardware total	-5.1	2.8	2.8	2.1	3.2	2.7
Packaged software total	8.3	10.1	13.4	14.1	14.4	13.0
Services total	7.6	9.2	10.1	9.8	9.6	9.7
Total IT	2.9	7.1	8.3	8.3	8.8	8.1

Source: IDC, June 2002

Table 125
Proportions of IT Spending Categories in Canada, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.6	2.7	2.7	2.7	2.7	2.7
Implementation	16.0	16.3	16.4	16.4	16.6	16.7
Support services	6.7	6.8	6.8	6.6	6.5	6.3
Operations management	14.2	15.6	16.4	17.1	17.7	17.9
Training and education	2.6	2.7	2.8	2.8	2.9	3.0
Services total	42.2	44.1	45.0	45.7	46.3	46.7
Packaged software						
System infrastructure software	5.3	5.6	5.7	5.9	6.1	6.3
Appl. development and deployment	5.0	5.1	5.3	5.6	6.0	6.4
Applications	9.5	10.1	10.4	10.9	11.5	12.1
Packaged software total	19.8	20.8	21.4	22.4	23.6	24.8
Hardware						
Systems						
High-end servers	1.0	1.0	0.8	0.8	0.8	0.9
Midrange servers	1.9	1.6	1.5	1.4	1.4	1.3
Low-end servers	2.9	3.0	3.1	3.0	2.9	2.8
Standard Intel servers	1.8	1.8	1.9	1.9	1.6	1.4
Other low-end servers	1.1	1.2	1.2	1.2	1.3	1.4
Personal computers	16.5	13.4	12.5	11.3	9.6	8.4
Traditional workstations	0.9	0.8	0.7	0.6	0.6	0.5
Systems total	23.1	19.9	18.6	17.1	15.2	13.8
Storage						
Disk systems	4.5	4.5	4.4	4.4	4.6	4.6
Tape	0.6	0.6	0.7	0.7	0.7	0.7
Fibre Channel	0.4	0.6	0.7	0.9	1.1	1.2
Storage total	5.5	5.7	5.8	5.9	6.3	6.5
Peripherals						
Printers	2.1	1.8	1.5	1.4	1.2	1.0
Smart handheld devices	0.9	1.1	1.1	1.0	1.0	1.0
Other add-ons	2.5	2.5	2.5	2.4	2.3	2.2
Peripherals total	5.5	5.4	5.1	4.8	4.5	4.2
Networking equipment	4.0	4.1	4.1	4.1	4.0	4.0
Hardware total	38.1	35.1	33.7	31.9	30.1	28.6
Packaged software total	19.8	20.8	21.4	22.4	23.6	24.8
Services total	42.2	44.1	45.0	45.7	46.3	46.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 126
Canada Proportions of the IT Spending in North America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.0	2.9	2.9	2.8	2.8	2.7
Implementation	8.5	8.4	8.4	8.3	8.3	8.4
Support services	3.7	3.6	3.5	3.3	3.1	3.0
Operations management	4.4	4.5	4.6	4.7	4.7	4.8
Training and education	4.7	4.7	4.5	4.4	4.3	4.1
Services total	5.1	5.0	5.0	4.9	4.9	4.9
Packaged software						
System infrastructure software	4.8	4.8	4.6	4.6	4.6	4.7
Appl. development and deployment	5.7	5.6	5.4	5.4	5.4	5.7
Applications	5.4	5.4	5.4	5.5	5.6	5.8
Packaged software total	5.3	5.2	5.2	5.2	5.3	5.4
Hardware						
Systems						
High-end servers	5.8	6.7	6.1	5.9	5.9	6.9
Midrange servers	9.3	10.2	8.6	8.3	8.2	7.6
Low-end servers	6.4	6.4	6.5	6.7	6.5	6.7
Standard Intel servers	5.7	5.4	5.7	5.7	4.9	4.4
Other low-end servers	7.9	8.4	8.2	9.2	11.0	14.1
Personal computers	6.4	6.1	6.1	5.8	5.4	5.4
Traditional workstations	11.8	13.0	13.7	14.8	15.9	16.9
Systems total	6.6	6.6	6.4	6.3	6.0	6.0
Storage						
Disk systems	10.1	10.4	10.5	10.7	11.4	12.2
Tape	6.7	7.1	7.1	7.1	6.8	7.1
Fibre Channel	10.2	10.4	10.4	10.6	11.4	11.3
Storage total	9.6	9.9	9.9	10.1	10.6	11.2
Peripherals						
Printers	6.1	6.0	5.7	5.2	4.7	4.5
Smart handheld devices	7.1	7.5	7.4	7.3	7.2	7.2
Other add-ons	10.3	12.2	12.2	12.4	12.8	13.0
Peripherals total	7.7	8.3	8.2	8.0	7.9	7.9
Networking equipment	3.9	4.6	4.5	4.3	4.1	3.9
Hardware total	6.6	6.8	6.7	6.5	6.4	6.4
Packaged software total	5.3	5.2	5.2	5.2	5.3	5.4
Services total	5.1	5.0	5.0	4.9	4.9	4.9
Total IT	5.6	5.6	5.5	5.4	5.4	5.4

Source: IDC, June 2002

Table 127

Canada Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.5	1.4	1.4	1.3	1.3	1.2
Implementation	4.1	4.0	4.0	3.9	3.8	3.8
Support services	1.8	1.7	1.7	1.6	1.6	1.5
Operations management	2.4	2.4	2.5	2.5	2.5	2.5
Training and education	2.5	2.5	2.5	2.4	2.4	2.4
Services total	2.6	2.5	2.5	2.5	2.5	2.4
Packaged software						
System infrastructure software	2.6	2.6	2.6	2.5	2.5	2.5
Appl. development and deployment	3.0	2.9	2.9	2.9	2.9	3.0
Applications	2.9	2.9	2.9	2.9	3.0	3.0
Packaged software total	2.8	2.8	2.8	2.8	2.8	2.9
Hardware						
Systems						
High-end servers	2.3	2.6	2.5	2.5	2.6	3.2
Midrange servers	3.5	3.2	2.9	2.7	2.6	2.5
Low-end servers	2.4	2.5	2.6	2.6	2.5	2.5
Standard Intel servers	2.3	2.2	2.3	2.2	1.9	1.7
Other low-end servers	2.8	3.2	3.1	3.6	4.2	5.0
Personal computers	2.4	2.2	2.2	2.0	1.8	1.6
Traditional workstations	5.6	6.3	6.7	7.3	7.8	8.3
Systems total	2.6	2.4	2.4	2.2	2.0	1.9
Storage						
Disk systems	4.4	4.6	4.6	4.6	4.9	5.1
Tape	3.7	4.1	4.2	4.3	4.3	4.5
Fibre Channel	4.8	5.0	5.0	5.0	5.3	5.3
Storage total	4.3	4.6	4.6	4.6	4.9	5.1
Peripherals						
Printers	2.0	1.8	1.7	1.5	1.4	1.3
Smart handheld devices	3.8	3.8	3.5	3.1	2.8	2.6
Other add-ons	5.0	5.7	5.6	5.3	5.3	5.2
Peripherals total	3.1	3.2	3.1	2.9	2.8	2.7
Networking equipment	1.8	1.9	1.8	1.8	1.7	1.7
Hardware total	2.7	2.6	2.6	2.5	2.4	2.3
Packaged software total	2.8	2.8	2.8	2.8	2.8	2.9
Services total	2.6	2.5	2.5	2.5	2.5	2.4
Total IT	2.7	2.6	2.6	2.5	2.5	2.5

Source: IDC, June 2002

Table 128
IT Spending in the United States, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	21,554.5	23,010.2	25,186.3	27,797.5	30,829.0	34,197.3
Implementation	43,025.0	45,482.1	49,454.7	54,075.0	59,392.7	64,802.0
Support services	43,464.8	47,173.8	52,185.5	57,970.8	64,871.8	72,123.1
Operations management	76,804.1	84,898.7	94,425.5	104,822.5	115,354.7	126,762.3
Training and education	13,147.8	14,449.7	16,221.0	18,461.0	21,102.3	24,182.0
Services total	197,996.2	215,014.6	237,472.9	263,126.9	291,550.5	322,066.7
Packaged software						
System infrastructure software	26,216.0	28,699.4	32,194.9	36,113.7	40,519.3	45,038.8
Appl. development and deployment	20,829.5	22,620.0	25,552.1	29,401.8	33,585.2	37,156.9
Applications	41,888.2	45,855.3	50,577.5	56,355.9	63,127.7	70,135.6
Packaged software total	88,933.7	97,174.8	108,324.5	121,871.3	137,232.2	152,331.2
Hardware						
Systems						
High-end servers	4,034.4	3,457.5	3,627.2	3,744.8	4,058.8	4,212.9
Midrange servers	4,630.9	3,692.9	4,356.6	4,643.2	5,089.8	5,592.7
Low-end servers	10,606.1	11,581.4	12,274.3	12,710.4	13,563.4	13,825.8
Standard Intel servers	7,399.9	8,090.9	8,587.0	9,215.1	10,187.9	10,894.8
Other low-end servers	3,206.2	3,490.6	3,687.4	3,495.3	3,375.5	2,931.0
Personal computers	60,818.7	52,885.9	53,281.2	54,788.9	53,898.8	51,685.4
Traditional workstations	1,659.1	1,412.8	1,260.0	1,117.4	983.5	868.9
Systems total	81,749.2	73,030.5	74,799.2	77,004.7	77,594.3	76,185.7
Storage						
Disk systems	10,191.2	10,068.0	10,486.0	10,916.0	11,486.0	11,660.7
Tape	2,053.6	2,164.7	2,381.1	2,684.6	3,084.7	3,248.3
Fibre Channel	798.3	1,244.4	1,745.4	2,205.0	2,711.9	3,380.5
Storage total	13,043.2	13,477.1	14,612.5	15,805.6	17,282.6	18,289.5
Peripherals						
Printers	8,105.3	7,180.6	7,102.7	7,402.3	7,717.7	7,853.8
Smart handheld devices	3,069.2	3,404.8	3,709.4	3,970.8	4,247.6	4,428.3
Other add-ons	5,391.3	4,733.6	4,980.2	5,104.7	5,172.7	5,271.7
Peripherals total	16,565.8	15,319.0	15,792.4	16,477.9	17,138.0	17,553.9
Networking equipment	24,833.4	22,193.1	24,028.0	27,437.0	30,784.9	34,628.0
Hardware total	136,191.6	124,019.7	129,232.1	136,725.1	142,799.8	146,657.1
Packaged software total	88,933.7	97,174.8	108,324.5	121,871.3	137,232.2	152,331.2
Services total	197,996.2	215,014.6	237,472.9	263,126.9	291,550.5	322,066.7
Total IT	423,121.5	436,209.1	475,029.5	521,723.3	571,582.6	621,055.1

Source: IDC, June 2002

Table 129
Growth in IT Spending in the United States, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	6.8	9.5	10.4	10.9	10.9	10.4
Implementation	5.7	8.7	9.3	9.8	9.1	9.3
Support services	8.5	10.6	11.1	11.9	11.2	11.2
Operations management	10.5	11.2	11.0	10.0	9.9	10.5
Training and education	9.9	12.3	13.8	14.3	14.6	13.7
Services total	8.6	10.4	10.8	10.8	10.5	10.6
Packaged software						
System infrastructure software	9.5	12.2	12.2	12.2	11.2	11.9
Appl. development and deployment	8.6	13.0	15.1	14.2	10.6	13.2
Applications	9.5	10.3	11.4	12.0	11.1	11.2
Packaged software total	9.3	11.5	12.5	12.6	11.0	11.9
Hardware						
Systems						
High-end servers	-14.3	4.9	3.2	8.4	3.8	5.1
Midrange servers	-20.3	18.0	6.6	9.6	9.9	10.9
Low-end servers	9.2	6.0	3.6	6.7	1.9	4.5
Standard Intel servers	9.3	6.1	7.3	10.6	6.9	7.7
Other low-end servers	8.9	5.6	-5.2	-3.4	-13.2	-4.3
Personal computers	-13.0	0.7	2.8	-1.6	-4.1	-0.6
Traditional workstations	-14.8	-10.8	-11.3	-12.0	-11.7	-11.4
Systems total	-10.7	2.4	2.9	0.8	-1.8	1.1
Storage						
Disk systems	-1.2	4.2	4.1	5.2	1.5	3.7
Tape	5.4	10.0	12.7	14.9	5.3	10.7
Fibre Channel	55.9	40.3	26.3	23.0	24.7	28.4
Storage total	3.3	8.4	8.2	9.3	5.8	7.9
Peripherals						
Printers	-11.4	-1.1	4.2	4.3	1.8	2.3
Smart handheld devices	10.9	8.9	7.0	7.0	4.3	6.8
Other add-ons	-12.2	5.2	2.5	1.3	1.9	2.7
Peripherals total	-7.5	3.1	4.3	4.0	2.4	3.5
Networking equipment	-10.6	8.3	14.2	12.2	12.5	11.8
Hardware total	-8.9	4.2	5.8	4.4	2.7	4.3
Packaged software total	9.3	11.5	12.5	12.6	11.0	11.9
Services total	8.6	10.4	10.8	10.8	10.5	10.6
Total IT	3.1	8.9	9.8	9.6	8.7	9.2

Source: IDC, June 2002

Table 130
Proportions of IT Spending Categories in the United States, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.1	5.3	5.3	5.3	5.4	5.5
Implementation	10.2	10.4	10.4	10.4	10.4	10.4
Support services	10.3	10.8	11.0	11.1	11.3	11.6
Operations management	18.2	19.5	19.9	20.1	20.2	20.4
Training and education	3.1	3.3	3.4	3.5	3.7	3.9
Services total	46.8	49.3	50.0	50.4	51.0	51.9
Packaged software						
System infrastructure software	6.2	6.6	6.8	6.9	7.1	7.3
Appl. development and deployment	4.9	5.2	5.4	5.6	5.9	6.0
Applications	9.9	10.5	10.6	10.8	11.0	11.3
Packaged software total	21.0	22.3	22.8	23.4	24.0	24.5
Hardware						
Systems						
High-end servers	1.0	0.8	0.8	0.7	0.7	0.7
Midrange servers	1.1	0.8	0.9	0.9	0.9	0.9
Low-end servers	2.5	2.7	2.6	2.4	2.4	2.2
Standard Intel servers	1.7	1.9	1.8	1.8	1.8	1.8
Other low-end servers	0.8	0.8	0.8	0.7	0.6	0.5
Personal computers	14.4	12.1	11.2	10.5	9.4	8.3
Traditional workstations	0.4	0.3	0.3	0.2	0.2	0.1
Systems total	19.3	16.7	15.7	14.8	13.6	12.3
Storage						
Disk systems	2.4	2.3	2.2	2.1	2.0	1.9
Tape	0.5	0.5	0.5	0.5	0.5	0.5
Fibre Channel	0.2	0.3	0.4	0.4	0.5	0.5
Storage total	3.1	3.1	3.1	3.0	3.0	2.9
Peripherals						
Printers	1.9	1.6	1.5	1.4	1.4	1.3
Smart handheld devices	0.7	0.8	0.8	0.8	0.7	0.7
Other add-ons	1.3	1.1	1.0	1.0	0.9	0.8
Peripherals total	3.9	3.5	3.3	3.2	3.0	2.8
Networking equipment	5.9	5.1	5.1	5.3	5.4	5.6
Hardware total	32.2	28.4	27.2	26.2	25.0	23.6
Packaged software total	21.0	22.3	22.8	23.4	24.0	24.5
Services total	46.8	49.3	50.0	50.4	51.0	51.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 131

United States Proportions of the IT Spending in North America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	97.0	97.1	97.1	97.2	97.2	97.3
Implementation	91.5	91.6	91.6	91.7	91.7	91.6
Support services	96.3	96.4	96.5	96.7	96.9	97.0
Operations management	95.6	95.5	95.4	95.3	95.3	95.2
Training and education	95.3	95.3	95.5	95.6	95.7	95.9
Services total	94.9	95.0	95.0	95.1	95.1	95.1
Packaged software						
System infrastructure software	95.2	95.2	95.4	95.4	95.4	95.3
Appl. development and deployment	94.3	94.4	94.6	94.6	94.6	94.3
Applications	94.6	94.6	94.6	94.5	94.4	94.2
Packaged software total	94.7	94.8	94.8	94.8	94.7	94.6
Hardware						
Systems						
High-end servers	94.2	93.3	93.9	94.1	94.1	93.1
Midrange servers	90.7	89.8	91.4	91.7	91.8	92.4
Low-end servers	93.6	93.6	93.5	93.3	93.5	93.3
Standard Intel servers	94.3	94.6	94.3	94.3	95.1	95.6
Other low-end servers	92.1	91.6	91.8	90.8	89.0	85.9
Personal computers	93.6	93.9	93.9	94.2	94.6	94.6
Traditional workstations	88.2	87.0	86.3	85.2	84.1	83.1
Systems total	93.4	93.4	93.6	93.7	94.0	94.0
Storage						
Disk systems	89.9	89.6	89.5	89.3	88.6	87.8
Tape	93.3	92.9	92.9	92.9	93.2	92.9
Fibre Channel	89.8	89.6	89.6	89.4	88.6	88.7
Storage total	90.4	90.1	90.1	89.9	89.4	88.8
Peripherals						
Printers	93.9	94.0	94.3	94.8	95.3	95.5
Smart handheld devices	92.9	92.5	92.6	92.7	92.8	92.8
Other add-ons	89.7	87.8	87.8	87.6	87.2	87.0
Peripherals total	92.3	91.7	91.8	92.0	92.1	92.1
Networking equipment	96.1	95.4	95.5	95.7	95.9	96.1
Hardware total	93.4	93.2	93.3	93.5	93.6	93.6
Packaged software total	94.7	94.8	94.8	94.8	94.7	94.6
Services total	94.9	95.0	95.0	95.1	95.1	95.1
Total IT	94.4	94.4	94.5	94.6	94.6	94.6

Source: IDC, June 2002

Table 132
United States Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	47.4	46.6	46.0	45.4	44.9	44.3
Implementation	44.4	43.7	43.3	42.7	42.3	41.6
Support services	46.4	46.7	47.3	47.8	48.3	48.7
Operations management	51.4	51.4	51.3	51.1	50.6	50.4
Training and education	49.9	50.7	51.6	52.8	54.0	55.0
Services total	48.1	48.0	48.0	47.9	47.8	47.6
Packaged software						
System infrastructure software	51.7	52.3	52.9	52.1	51.9	51.5
Appl. development and deployment	49.8	50.2	50.9	50.8	50.3	49.7
Applications	50.8	51.3	51.5	50.6	50.1	49.5
Packaged software total	50.8	51.3	51.8	51.1	50.7	50.1
Hardware						
Systems						
High-end servers	38.1	36.2	38.7	40.5	42.3	42.9
Midrange servers	33.8	28.1	30.2	29.3	29.1	30.0
Low-end servers	36.1	37.5	37.4	36.6	36.6	35.2
Standard Intel servers	37.5	39.0	38.5	37.2	37.4	36.9
Other low-end servers	33.0	34.3	35.1	35.1	34.1	30.1
Personal computers	36.0	34.3	33.5	32.3	30.6	28.6
Traditional workstations	42.1	42.3	42.1	41.7	41.3	41.1
Systems total	36.1	34.6	34.2	33.1	32.0	30.4
Storage						
Disk systems	39.5	39.6	39.2	38.5	37.9	36.9
Tape	51.8	53.0	55.0	57.1	58.8	59.3
Fibre Channel	42.0	42.8	42.7	42.2	41.7	41.5
Storage total	41.2	41.5	41.5	41.3	41.1	40.4
Peripherals						
Printers	31.4	28.8	28.0	28.3	28.7	28.7
Smart handheld devices	49.4	47.4	43.8	40.0	36.8	33.6
Other add-ons	43.4	40.9	40.5	37.7	36.3	34.7
Peripherals total	37.3	35.0	34.2	33.2	32.5	31.5
Networking equipment	43.8	39.3	38.8	39.4	40.1	41.0
Hardware total	37.9	36.1	35.7	35.1	34.5	33.6
Packaged software total	50.8	51.3	51.8	51.1	50.7	50.1
Services total	48.1	48.0	48.0	47.9	47.8	47.6
Total IT	44.7	44.5	44.6	44.3	44.1	43.8

Source: IDC, June 2002

Western Europe

Europe avoided the worst aspects of the IT downturn that impacted the United States in 2001, mirroring the malaise on only a limited scale. Just as the dot-com and telecom excesses had less impact in Europe than they did in the United States, so were the dot-com collapse and telecom winter viewed as less catastrophic.

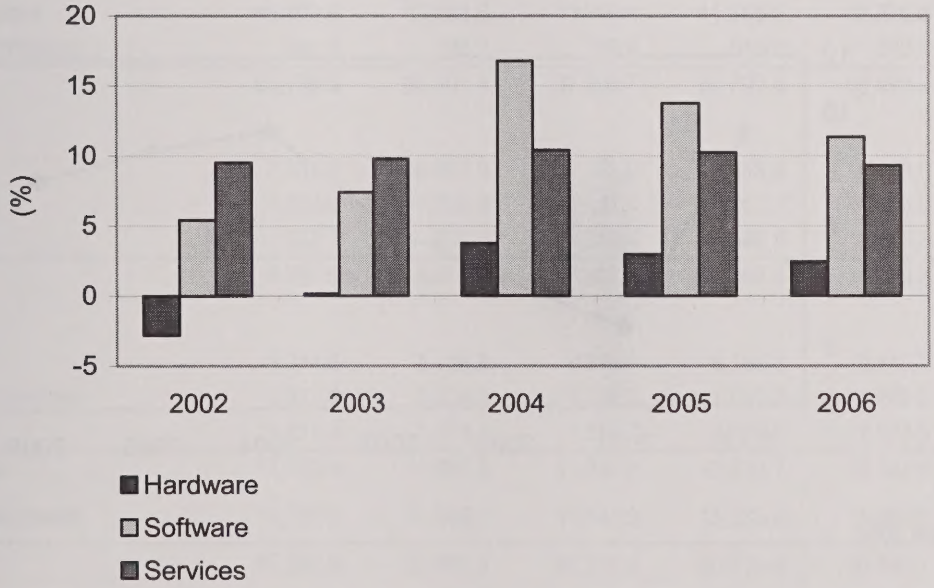
In Europe, however, the economic picture remains largely unchanged from last year. While Europe, with the obvious exception of Germany, has not slid into outright recession, in many countries growth has been subdued. Tentative signs of recovery have emerged, but there is clearly no v-shaped economic rebound. This is not to say that Europe is absent of IT spending growth. In fact, our latest forecasts estimate a 4.4% growth this year, increasing to 6.2% in 2003. By current estimates, however, it will be 2004 before Europe returns to the overall growth levels of 2000.

Figures 7–9 show worldwide IT spending from 2000 to 2006.

Tables 133–216 show forecasts for Western Europe IT spending from 2001 to 2006.

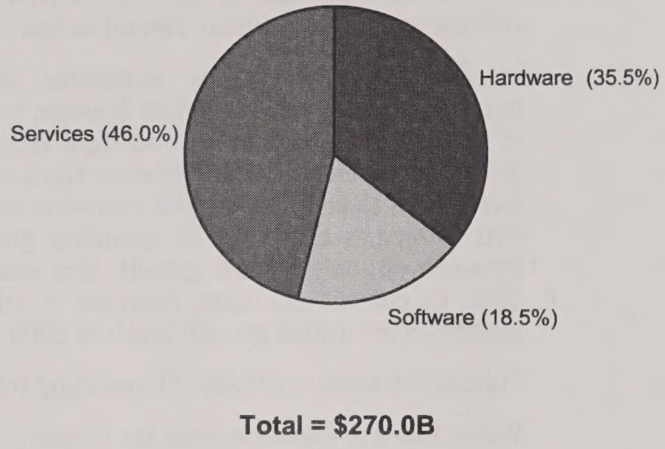
Figure 7

Western Europe IT Spending Growth by Segment, 2002–2006



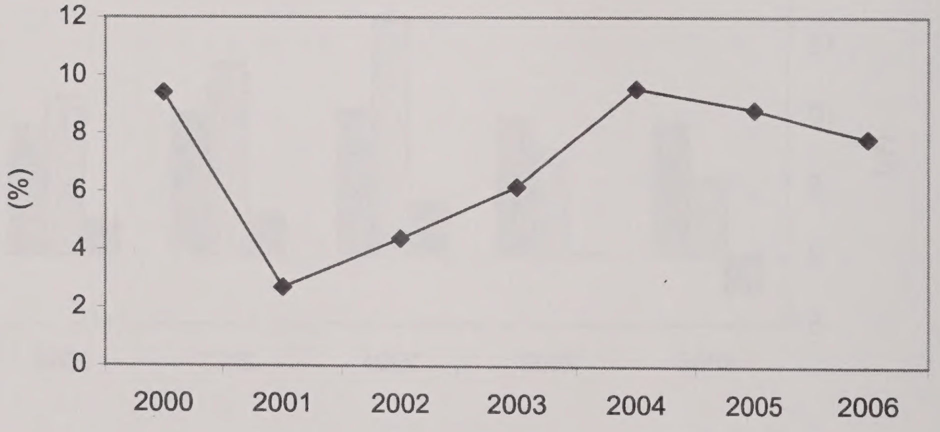
Source: IDC, June 2002

Figure 8
Western Europe IT Spending Proportions by Segment, 2001



Source: IDC, June 2002

Figure 9
Western Europe IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 133
IT Spending in Western Europe, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	15,287.3	16,795.8	18,599.5	20,726.4	23,072.9	25,508.9
Implementation	28,754.7	31,541.4	34,817.6	38,694.3	43,006.5	47,453.6
Support services	31,975.0	34,785.6	37,670.2	41,055.2	45,084.3	48,579.6
Operations management	40,054.1	44,306.4	49,126.1	54,662.2	60,119.1	65,852.2
Training and education	8,042.4	8,491.1	9,006.6	9,608.5	10,369.8	11,172.4
Services total	124,113.5	135,920.3	149,220.0	164,746.7	181,652.6	198,566.6
Packaged software						
System infrastructure software	13,601.0	14,288.3	15,388.4	18,009.5	20,202.7	22,386.4
Appl. development and deployment	11,930.1	12,698.0	13,772.2	16,204.2	18,952.0	21,278.3
Applications	24,564.8	25,823.1	27,564.9	32,032.3	36,202.3	40,250.9
Packaged software total	50,095.9	52,809.4	56,725.4	66,246.0	75,357.1	83,915.7
Hardware						
Systems						
High-end servers	3,010.3	3,208.3	3,014.5	2,836.3	2,847.5	2,884.5
Midrange servers	3,836.0	3,845.1	4,132.9	4,798.9	5,428.7	5,746.1
Low-end servers	8,193.6	8,388.4	8,572.5	8,754.5	9,118.0	9,920.2
Standard Intel servers	5,443.8	5,528.7	5,771.3	6,618.8	7,263.2	8,023.7
Other low-end servers	2,749.8	2,859.6	2,801.2	2,135.7	1,854.8	1,896.6
Personal computers	45,102.9	42,264.5	40,786.4	41,786.2	42,576.0	42,797.3
Traditional workstations	992.7	795.2	700.4	616.9	522.8	455.9
Systems total	61,135.5	58,501.4	57,206.7	58,792.8	60,492.9	61,804.1
Storage						
Disk systems	7,431.2	6,887.0	7,272.0	7,658.0	8,170.0	8,678.5
Tape	1,268.6	1,235.8	1,181.1	1,157.7	1,190.6	1,195.7
Fibre Channel	582.1	851.2	1,210.4	1,546.9	1,929.0	2,440.5
Storage total	9,281.9	8,974.0	9,663.5	10,362.6	11,289.6	12,314.7
Peripherals						
Printers	8,014.8	8,138.3	8,214.4	8,199.8	8,145.1	8,018.4
Smart handheld devices	1,331.4	1,534.5	1,709.2	1,845.3	1,926.3	1,949.7
Other add-ons	1,814.3	1,814.3	1,868.7	2,279.6	2,373.5	2,675.7
Peripherals total	11,160.4	11,487.0	11,792.2	12,324.7	12,444.9	12,643.8
Networking equipment	14,185.1	14,099.7	14,542.9	15,235.5	15,369.8	15,268.0
Hardware total	95,762.9	93,062.1	93,205.3	96,715.6	99,597.1	102,030.5
Packaged software total	50,095.9	52,809.4	56,725.4	66,246.0	75,357.1	83,915.7
Services total	124,113.5	135,920.3	149,220.0	164,746.7	181,652.6	198,566.6
Total IT	269,972.3	281,791.8	299,150.8	327,708.3	356,606.8	384,512.8

Source: IDC, June 2002

Table 134
Growth in IT Spending in Western Europe, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	9.9	10.7	11.4	11.3	10.6	11.0
Implementation	9.7	10.4	11.1	11.1	10.3	10.8
Support services	8.8	8.3	9.0	9.8	7.8	8.7
Operations management	10.6	10.9	11.3	10.0	9.5	10.4
Training and education	5.6	6.1	6.7	7.9	7.7	7.1
Services total	9.5	9.8	10.4	10.3	9.3	9.9
Packaged software						
System infrastructure software	5.1	7.7	17.0	12.2	10.8	11.9
Appl. development and deployment	6.4	8.5	17.7	17.0	12.3	13.8
Applications	5.1	6.7	16.2	13.0	11.2	11.7
Packaged software total	5.4	7.4	16.8	13.8	11.4	12.3
Hardware						
Systems						
High-end servers	6.6	-6.0	-5.9	0.4	1.3	-2.6
Midrange servers	0.2	7.5	16.1	13.1	5.8	10.6
Low-end servers	2.4	2.2	2.1	4.2	8.8	4.3
Standard Intel servers	1.6	4.4	14.7	9.7	10.5	9.8
Other low-end servers	4.0	-2.0	-23.8	-13.2	2.3	-9.8
Personal computers	-6.3	-3.5	2.5	1.9	0.5	0.3
Traditional workstations	-19.9	-11.9	-11.9	-15.3	-12.8	-13.0
Systems total	-4.3	-2.2	2.8	2.9	2.2	1.4
Storage						
Disk systems	-7.3	5.6	5.3	6.7	6.2	6.0
Tape	-2.6	-4.4	-2.0	2.8	0.4	-0.8
Fibre Channel	46.2	42.2	27.8	24.7	26.5	30.1
Storage total	-3.3	7.7	7.2	8.9	9.1	8.2
Peripherals						
Printers	1.5	0.9	-0.2	-0.7	-1.6	-0.4
Smart handheld devices	15.3	11.4	8.0	4.4	1.2	6.2
Other add-ons	–	3.0	22.0	4.1	12.7	10.2
Peripherals total	2.9	2.7	4.5	1.0	1.6	2.4
Networking equipment	-0.6	3.1	4.8	0.9	-0.7	2.0
Hardware total	-2.8	0.2	3.8	3.0	2.4	2.3
Packaged software total	5.4	7.4	16.8	13.8	11.4	12.3
Services total	9.5	9.8	10.4	10.3	9.3	9.9
Total IT	4.4	6.2	9.5	8.8	7.8	8.1

Source: IDC, June 2002

Table 135
Proportions of IT Spending Categories in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.7	6.0	6.2	6.3	6.5	6.6
Implementation	10.7	11.2	11.6	11.8	12.1	12.3
Support services	11.8	12.3	12.6	12.5	12.6	12.6
Operations management	14.8	15.7	16.4	16.7	16.9	17.1
Training and education	3.0	3.0	3.0	2.9	2.9	2.9
Services total	46.0	48.2	49.9	50.3	50.9	51.6
Packaged software						
System infrastructure software	5.0	5.1	5.1	5.5	5.7	5.8
Appl. development and deployment	4.4	4.5	4.6	4.9	5.3	5.5
Applications	9.1	9.2	9.2	9.8	10.2	10.5
Packaged software total	18.6	18.7	19.0	20.2	21.1	21.8
Hardware						
Systems						
High-end servers	1.1	1.1	1.0	0.9	0.8	0.8
Midrange servers	1.4	1.4	1.4	1.5	1.5	1.5
Low-end servers	3.0	3.0	2.9	2.7	2.6	2.6
Standard Intel servers	2.0	2.0	1.9	2.0	2.0	2.1
Other low-end servers	1.0	1.0	0.9	0.7	0.5	0.5
Personal computers	16.7	15.0	13.6	12.8	11.9	11.1
Traditional workstations	0.4	0.3	0.2	0.2	0.1	0.1
Systems total	22.6	20.8	19.1	17.9	17.0	16.1
Storage						
Disk systems	2.8	2.4	2.4	2.3	2.3	2.3
Tape	0.5	0.4	0.4	0.4	0.3	0.3
Fibre Channel	0.2	0.3	0.4	0.5	0.5	0.6
Storage total	3.4	3.2	3.2	3.2	3.2	3.2
Peripherals						
Printers	3.0	2.9	2.7	2.5	2.3	2.1
Smart handheld devices	0.5	0.5	0.6	0.6	0.5	0.5
Other add-ons	0.7	0.6	0.6	0.7	0.7	0.7
Peripherals total	4.1	4.1	3.9	3.8	3.5	3.3
Networking equipment	5.3	5.0	4.9	4.6	4.3	4.0
Hardware total	35.5	33.0	31.2	29.5	27.9	26.5
Packaged software total	18.6	18.7	19.0	20.2	21.1	21.8
Services total	46.0	48.2	49.9	50.3	50.9	51.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 136
Western Europe Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	33.6	34.0	34.0	33.9	33.6	33.0
Implementation	29.7	30.3	30.5	30.6	30.6	30.4
Support services	34.1	34.4	34.1	33.9	33.6	32.8
Operations management	26.8	26.8	26.7	26.6	26.4	26.2
Training and education	30.5	29.8	28.7	27.5	26.5	25.4
Services total	30.1	30.3	30.2	30.0	29.8	29.4
Packaged software						
System infrastructure software	26.8	26.1	25.3	26.0	25.9	25.6
Appl. development and deployment	28.5	28.2	27.5	28.0	28.4	28.5
Applications	29.8	28.9	28.1	28.8	28.7	28.4
Packaged software total	28.6	27.9	27.1	27.8	27.8	27.6
Hardware						
Systems						
High-end servers	28.5	33.6	32.1	30.6	29.7	29.4
Midrange servers	28.0	29.3	28.6	30.3	31.0	30.8
Low-end servers	27.9	27.2	26.1	25.2	24.6	25.3
Standard Intel servers	27.6	26.7	25.9	26.7	26.7	27.2
Other low-end servers	28.3	28.1	26.6	21.4	18.8	19.5
Personal computers	26.7	27.4	25.7	24.6	24.2	23.7
Traditional workstations	25.2	23.8	23.4	23.0	22.0	21.6
Systems total	27.0	27.7	26.2	25.3	24.9	24.7
Storage						
Disk systems	28.8	27.1	27.2	27.0	27.0	27.4
Tape	32.0	30.2	27.3	24.6	22.7	21.8
Fibre Channel	30.6	29.3	29.6	29.6	29.7	30.0
Storage total	29.3	27.7	27.4	27.1	26.9	27.2
Peripherals						
Printers	31.1	32.6	32.3	31.3	30.3	29.3
Smart handheld devices	21.4	21.4	20.2	18.6	16.7	14.8
Other add-ons	14.6	15.7	15.2	16.9	16.7	17.6
Peripherals total	25.1	26.3	25.5	24.8	23.6	22.7
Networking equipment	25.0	25.0	23.5	21.9	20.0	18.1
Hardware total	26.6	27.1	25.8	24.8	24.0	23.4
Packaged software total	28.6	27.9	27.1	27.8	27.8	27.6
Services total	30.1	30.3	30.2	30.0	29.8	29.4
Total IT	28.5	28.7	28.1	27.8	27.5	27.1

Source: IDC, June 2002

Table 137
IT Spending in Austria, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	292.5	317.2	344.3	375.4	409.6	446.3
Implementation	534.9	580.6	629.8	683.6	742.7	803.0
Support services	594.1	625.3	654.1	689.1	735.7	782.5
Operations management	844.5	905.2	979.0	1,067.3	1,163.4	1,257.3
Training and education	178.6	190.1	202.8	216.4	236.2	248.3
Services total	2,444.6	2,618.4	2,810.0	3,031.8	3,287.7	3,537.2
Packaged software						
System infrastructure software	309.0	317.1	338.9	376.7	432.0	492.8
Appl. development and deployment	275.9	292.7	302.3	337.0	385.2	429.4
Applications	518.7	551.8	577.8	656.2	742.3	837.7
Packaged software total	1,103.6	1,161.6	1,219.1	1,370.0	1,559.6	1,759.9
Hardware						
Systems						
High-end servers	42.1	26.8	27.5	25.1	23.9	23.0
Midrange servers	96.8	107.7	105.9	115.3	127.3	133.8
Low-end servers	186.7	181.9	175.5	180.5	188.5	205.2
Standard Intel servers	132.2	123.6	121.8	139.6	153.0	168.9
Other low-end servers	54.5	58.4	53.6	40.8	35.5	36.4
Personal computers	1,056.9	945.4	943.8	972.1	998.9	1,006.3
Traditional workstations	21.2	16.1	14.1	12.3	10.3	8.9
Systems total	1,403.8	1,277.9	1,266.9	1,305.3	1,348.9	1,377.2
Storage						
Disk systems	153.9	154.2	158.7	169.1	182.3	195.4
Tape	27.5	25.3	23.2	22.7	23.3	23.3
Fibre Channel	12.1	19.1	26.4	34.2	43.0	54.9
Storage total	193.5	198.6	208.3	225.9	248.6	273.6
Peripherals						
Printers	167.8	176.3	179.8	182.3	185.1	185.2
Smart handheld devices	20.2	23.4	25.3	26.8	27.4	27.3
Other add-ons	39.8	39.2	40.4	49.1	51.0	57.4
Peripherals total	227.8	238.9	245.4	258.2	263.5	269.9
Networking equipment	262.2	275.1	277.9	292.7	311.5	299.9
Hardware total	2,087.2	1,990.5	1,998.4	2,082.0	2,172.5	2,220.7
Packaged software total	1,103.6	1,161.6	1,219.1	1,370.0	1,559.6	1,759.9
Services total	2,444.6	2,618.4	2,810.0	3,031.8	3,287.7	3,537.2
Total IT	5,635.4	5,770.5	6,027.4	6,483.9	7,019.8	7,517.9

Source: IDC, June 2002

Table 138
Growth in IT Spending in Austria, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	8.5	8.5	9.0	9.1	9.0	8.9
Implementation	8.6	8.5	8.5	8.7	8.1	8.4
Support services	5.2	4.6	5.4	6.8	6.4	5.8
Operations management	7.2	8.2	9.0	9.0	8.1	8.6
Training and education	6.5	6.7	6.7	9.2	5.1	6.9
Services total	7.1	7.3	7.9	8.4	7.6	7.8
Packaged software						
System infrastructure software	2.6	6.9	11.2	14.7	14.1	11.7
Appl. development and deployment	6.1	3.3	11.5	14.3	11.5	10.1
Applications	6.4	4.7	13.6	13.1	12.8	11.0
Packaged software total	5.3	4.9	12.4	13.8	12.8	10.9
Hardware						
Systems						
High-end servers	-36.4	2.6	-8.8	-4.6	-3.8	-3.7
Midrange servers	11.2	-1.6	8.9	10.4	5.1	5.6
Low-end servers	-2.6	-3.5	2.9	4.4	8.9	3.1
Standard Intel servers	-6.6	-1.4	14.6	9.6	10.4	8.1
Other low-end servers	7.1	-8.1	-23.9	-13.1	2.5	-11.2
Personal computers	-10.5	-0.2	3.0	2.8	0.7	1.6
Traditional workstations	-23.8	-12.4	-12.8	-16.5	-13.7	-13.9
Systems total	-9.0	-0.9	3.0	3.3	2.1	1.9
Storage						
Disk systems	0.2	2.9	6.6	7.8	7.2	6.1
Tape	-7.8	-8.4	-2.3	2.6	0.1	-2.1
Fibre Channel	58.1	38.5	29.3	26.0	27.7	30.3
Storage total	2.6	4.9	8.5	10.0	10.1	8.3
Peripherals						
Printers	5.1	2.0	1.4	1.5	0.1	1.2
Smart handheld devices	15.8	8.0	6.0	2.3	-0.2	4.0
Other add-ons	-1.7	3.0	21.6	4.0	12.4	10.0
Peripherals total	4.9	2.7	5.2	2.1	2.4	3.1
Networking equipment	4.9	1.0	5.3	6.4	-3.7	2.2
Hardware total	-4.6	0.4	4.2	4.3	2.2	2.8
Packaged software total	5.3	4.9	12.4	13.8	12.8	10.9
Services total	7.1	7.3	7.9	8.4	7.6	7.8
Total IT	2.4	4.5	7.6	8.3	7.1	6.8

Source: IDC, June 2002

Table 139
Proportions of IT Spending Categories in Austria, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.2	5.5	5.7	5.8	5.8	5.9
Implementation	9.5	10.1	10.4	10.5	10.6	10.7
Support services	10.5	10.8	10.9	10.6	10.5	10.4
Operations management	15.0	15.7	16.2	16.5	16.6	16.7
Training and education	3.2	3.3	3.4	3.3	3.4	3.3
Services total	43.4	45.4	46.6	46.8	46.8	47.1
Packaged software						
System infrastructure software	5.5	5.5	5.6	5.8	6.2	6.6
Appl. development and deployment	4.9	5.1	5.0	5.2	5.5	5.7
Applications	9.2	9.6	9.6	10.1	10.6	11.1
Packaged software total	19.6	20.1	20.2	21.1	22.2	23.4
Hardware						
Systems						
High-end servers	0.7	0.5	0.5	0.4	0.3	0.3
Midrange servers	1.7	1.9	1.8	1.8	1.8	1.8
Low-end servers	3.3	3.2	2.9	2.8	2.7	2.7
Standard Intel servers	2.3	2.1	2.0	2.2	2.2	2.2
Other low-end servers	1.0	1.0	0.9	0.6	0.5	0.5
Personal computers	18.8	16.4	15.7	15.0	14.2	13.4
Traditional workstations	0.4	0.3	0.2	0.2	0.1	0.1
Systems total	24.9	22.1	21.0	20.1	19.2	18.3
Storage						
Disk systems	2.7	2.7	2.6	2.6	2.6	2.6
Tape	0.5	0.4	0.4	0.3	0.3	0.3
Fibre Channel	0.2	0.3	0.4	0.5	0.6	0.7
Storage total	3.4	3.4	3.5	3.5	3.5	3.6
Peripherals						
Printers	3.0	3.1	3.0	2.8	2.6	2.5
Smart handheld devices	0.4	0.4	0.4	0.4	0.4	0.4
Other add-ons	0.7	0.7	0.7	0.8	0.7	0.8
Peripherals total	4.0	4.1	4.1	4.0	3.8	3.6
Networking equipment	4.7	4.8	4.6	4.5	4.4	4.0
Hardware total	37.0	34.5	33.2	32.1	30.9	29.5
Packaged software total	19.6	20.1	20.2	21.1	22.2	23.4
Services total	43.4	45.4	46.6	46.8	46.8	47.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 140
Austria Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.9	1.9	1.9	1.8	1.8	1.7
Implementation	1.9	1.8	1.8	1.8	1.7	1.7
Support services	1.9	1.8	1.7	1.7	1.6	1.6
Operations management	2.1	2.0	2.0	2.0	1.9	1.9
Training and education	2.2	2.2	2.3	2.3	2.3	2.2
Services total	2.0	1.9	1.9	1.8	1.8	1.8
Packaged software						
System infrastructure software	2.3	2.2	2.2	2.1	2.1	2.2
Appl. development and deployment	2.3	2.3	2.2	2.1	2.0	2.0
Applications	2.1	2.1	2.1	2.0	2.1	2.1
Packaged software total	2.2	2.2	2.1	2.1	2.1	2.1
Hardware						
Systems						
High-end servers	1.4	0.8	0.9	0.9	0.8	0.8
Midrange servers	2.5	2.8	2.6	2.4	2.3	2.3
Low-end servers	2.3	2.2	2.0	2.1	2.1	2.1
Standard Intel servers	2.4	2.2	2.1	2.1	2.1	2.1
Other low-end servers	2.0	2.0	1.9	1.9	1.9	1.9
Personal computers	2.3	2.2	2.3	2.3	2.3	2.4
Traditional workstations	2.1	2.0	2.0	2.0	2.0	1.9
Systems total	2.3	2.2	2.2	2.2	2.2	2.2
Storage						
Disk systems	2.1	2.2	2.2	2.2	2.2	2.3
Tape	2.2	2.0	2.0	2.0	2.0	1.9
Fibre Channel	2.1	2.2	2.2	2.2	2.2	2.3
Storage total	2.1	2.2	2.2	2.2	2.2	2.2
Peripherals						
Printers	2.1	2.2	2.2	2.2	2.3	2.3
Smart handheld devices	1.5	1.5	1.5	1.5	1.4	1.4
Other add-ons	2.2	2.2	2.2	2.2	2.1	2.1
Peripherals total	2.0	2.1	2.1	2.1	2.1	2.1
Networking equipment	1.8	2.0	1.9	1.9	2.0	2.0
Hardware total	2.2	2.1	2.1	2.2	2.2	2.2
Packaged software total	2.2	2.2	2.1	2.1	2.1	2.1
Services total	2.0	1.9	1.9	1.8	1.8	1.8
Total IT	2.1	2.0	2.0	2.0	2.0	2.0

Source: IDC, June 2002

Table 141
Austria Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.6	0.6	0.6	0.6
Implementation	0.6	0.6	0.6	0.5	0.5	0.5
Support services	0.6	0.6	0.6	0.6	0.5	0.5
Operations management	0.6	0.5	0.5	0.5	0.5	0.5
Training and education	0.7	0.7	0.6	0.6	0.6	0.6
Services total	0.6	0.6	0.6	0.6	0.5	0.5
Packaged software						
System infrastructure software	0.6	0.6	0.6	0.5	0.6	0.6
Appl. development and deployment	0.7	0.6	0.6	0.6	0.6	0.6
Applications	0.6	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.6	0.6	0.6	0.6	0.6	0.6
Hardware						
Systems						
High-end servers	0.4	0.3	0.3	0.3	0.2	0.2
Midrange servers	0.7	0.8	0.7	0.7	0.7	0.7
Low-end servers	0.6	0.6	0.5	0.5	0.5	0.5
Standard Intel servers	0.7	0.6	0.5	0.6	0.6	0.6
Other low-end servers	0.6	0.6	0.5	0.4	0.4	0.4
Personal computers	0.6	0.6	0.6	0.6	0.6	0.6
Traditional workstations	0.5	0.5	0.5	0.5	0.4	0.4
Systems total	0.6	0.6	0.6	0.6	0.6	0.5
Storage						
Disk systems	0.6	0.6	0.6	0.6	0.6	0.6
Tape	0.7	0.6	0.5	0.5	0.4	0.4
Fibre Channel	0.6	0.7	0.6	0.7	0.7	0.7
Storage total	0.6	0.6	0.6	0.6	0.6	0.6
Peripherals						
Printers	0.7	0.7	0.7	0.7	0.7	0.7
Smart handheld devices	0.3	0.3	0.3	0.3	0.2	0.2
Other add-ons	0.3	0.3	0.3	0.4	0.4	0.4
Peripherals total	0.5	0.5	0.5	0.5	0.5	0.5
Networking equipment	0.5	0.5	0.4	0.4	0.4	0.4
Hardware total	0.6	0.6	0.6	0.5	0.5	0.5
Packaged software total	0.6	0.6	0.6	0.6	0.6	0.6
Services total	0.6	0.6	0.6	0.6	0.5	0.5
Total IT	0.6	0.6	0.6	0.6	0.5	0.5

Source: IDC, June 2002

Table 142
IT Spending in Belgium, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	378.8	402.4	441.5	491.1	543.2	599.9
Implementation	732.7	761.1	826.7	914.8	1,006.7	1,108.5
Support services	910.8	934.5	999.5	1,093.4	1,187.0	1,284.9
Operations management	727.2	804.2	910.8	1,031.8	1,155.0	1,287.5
Training and education	317.9	332.6	357.0	382.7	414.3	446.6
Services total	3,067.5	3,234.8	3,535.6	3,913.7	4,306.3	4,727.3
Packaged software						
System infrastructure software	481.5	485.8	508.7	581.8	645.0	709.3
Appl. development and deployment	356.3	386.0	419.5	490.4	563.2	633.9
Applications	746.0	792.0	856.8	1,005.7	1,128.7	1,254.8
Packaged software total	1,583.8	1,663.8	1,784.9	2,077.9	2,336.8	2,598.0
Hardware						
Systems						
High-end servers	88.8	30.1	26.3	23.9	24.5	25.5
Midrange servers	134.1	163.9	166.2	183.6	205.1	215.8
Low-end servers	279.6	317.7	322.3	318.5	325.6	350.7
Standard Intel servers	172.1	195.8	209.5	229.5	246.9	269.8
Other low-end servers	107.4	121.9	112.8	89.0	78.7	80.8
Personal computers	1,164.2	1,084.1	979.9	990.9	986.7	1,009.3
Traditional workstations	22.1	17.5	15.6	13.9	11.9	10.5
Systems total	1,688.7	1,613.2	1,510.4	1,530.8	1,553.8	1,611.7
Storage						
Disk systems	219.8	206.9	220.1	236.4	257.4	278.4
Tape	42.4	40.9	38.7	37.2	38.0	37.7
Fibre Channel	17.2	25.6	36.6	47.8	60.8	78.3
Storage total	279.4	273.4	295.4	321.3	356.2	394.4
Peripherals						
Printers	270.8	266.8	271.8	275.2	275.3	271.7
Smart handheld devices	26.6	29.7	32.2	34.0	34.9	34.8
Other add-ons	50.6	50.1	49.9	59.0	61.4	68.2
Peripherals total	348.0	346.5	353.9	368.2	371.6	374.7
Networking equipment	454.6	437.6	452.0	473.9	474.0	467.7
Hardware total	2,770.7	2,670.8	2,611.7	2,694.2	2,755.7	2,848.5
Packaged software total	1,583.8	1,663.8	1,784.9	2,077.9	2,336.8	2,598.0
Services total	3,067.5	3,234.8	3,535.6	3,913.7	4,306.3	4,727.3
Total IT	7,422.0	7,569.4	7,932.2	8,685.8	9,398.7	10,173.9

Source: IDC, June 2002

Table 143
Growth in IT Spending in Belgium, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	6.2	9.7	11.2	10.6	10.4	10.5
Implementation	3.9	8.6	10.7	10.0	10.1	9.9
Support services	2.6	7.0	9.4	8.6	8.2	8.3
Operations management	10.6	13.3	13.3	11.9	11.5	12.5
Training and education	4.6	7.3	7.2	8.3	7.8	7.6
Services total	5.5	9.3	10.7	10.0	9.8	9.9
Packaged software						
System infrastructure software	0.9	4.7	14.4	10.9	10.0	9.9
Appl. development and deployment	8.3	8.7	16.9	14.8	12.6	13.2
Applications	6.2	8.2	17.4	12.2	11.2	12.2
Packaged software total	5.1	7.3	16.4	12.5	11.2	11.8
Hardware						
Systems						
High-end servers	-66.2	-12.4	-9.2	2.7	3.9	-4.0
Midrange servers	22.2	1.4	10.5	11.7	5.2	7.1
Low-end servers	13.6	1.5	-1.2	2.2	7.7	2.5
Standard Intel servers	13.7	7.0	9.6	7.6	9.3	8.4
Other low-end servers	13.5	-7.5	-21.1	-11.5	2.7	-9.8
Personal computers	-6.9	-9.6	1.1	-0.4	2.3	-1.8
Traditional workstations	-20.8	-10.7	-11.1	-14.1	-12.0	-12.0
Systems total	-4.5	-6.4	1.3	1.5	3.7	0.0
Storage						
Disk systems	-5.9	6.4	7.4	8.9	8.2	7.7
Tape	-3.4	-5.5	-4.0	2.3	-0.9	-2.1
Fibre Channel	48.5	43.2	30.4	27.3	28.8	32.3
Storage total	-2.1	8.0	8.8	10.9	10.7	9.6
Peripherals						
Printers	-1.5	1.9	1.3	0.0	-1.3	0.5
Smart handheld devices	11.4	8.7	5.3	2.8	-0.2	4.1
Other add-ons	-1.0	-0.4	18.3	4.1	11.0	8.0
Peripherals total	-0.4	2.1	4.0	0.9	0.8	2.0
Networking equipment	-3.7	3.3	4.8	0.0	-1.3	1.7
Hardware total	-3.6	-2.2	3.2	2.3	3.4	1.6
Packaged software total	5.1	7.3	16.4	12.5	11.2	11.8
Services total	5.5	9.3	10.7	10.0	9.8	9.9
Total IT	2.0	4.8	9.5	8.2	8.2	7.7

Source: IDC, June 2002

Table 144
Proportions of IT Spending Categories in Belgium, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.1	5.3	5.6	5.7	5.8	5.9
Implementation	9.9	10.1	10.4	10.5	10.7	10.9
Support services	12.3	12.3	12.6	12.6	12.6	12.6
Operations management	9.8	10.6	11.5	11.9	12.3	12.7
Training and education	4.3	4.4	4.5	4.4	4.4	4.4
Services total	41.3	42.7	44.6	45.1	45.8	46.5
Packaged software						
System infrastructure software	6.5	6.4	6.4	6.7	6.9	7.0
Appl. development and deployment	4.8	5.1	5.3	5.6	6.0	6.2
Applications	10.1	10.5	10.8	11.6	12.0	12.3
Packaged software total	21.3	22.0	22.5	23.9	24.9	25.5
Hardware						
Systems						
High-end servers	1.2	0.4	0.3	0.3	0.3	0.3
Midrange servers	1.8	2.2	2.1	2.1	2.2	2.1
Low-end servers	3.8	4.2	4.1	3.7	3.5	3.4
Standard Intel servers	2.3	2.6	2.6	2.6	2.6	2.7
Other low-end servers	1.4	1.6	1.4	1.0	0.8	0.8
Personal computers	15.7	14.3	12.4	11.4	10.5	9.9
Traditional workstations	0.3	0.2	0.2	0.2	0.1	0.1
Systems total	22.8	21.3	19.0	17.6	16.5	15.8
Storage						
Disk systems	3.0	2.7	2.8	2.7	2.7	2.7
Tape	0.6	0.5	0.5	0.4	0.4	0.4
Fibre Channel	0.2	0.3	0.5	0.5	0.6	0.8
Storage total	3.8	3.6	3.7	3.7	3.8	3.9
Peripherals						
Printers	3.6	3.5	3.4	3.2	2.9	2.7
Smart handheld devices	0.4	0.4	0.4	0.4	0.4	0.3
Other add-ons	0.7	0.7	0.6	0.7	0.7	0.7
Peripherals total	4.7	4.6	4.5	4.2	4.0	3.7
Networking equipment	6.1	5.8	5.7	5.5	5.0	4.6
Hardware total	37.3	35.3	32.9	31.0	29.3	28.0
Packaged software total	21.3	22.0	22.5	23.9	24.9	25.5
Services total	41.3	42.7	44.6	45.1	45.8	46.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 145

Belgium Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.5	2.4	2.4	2.4	2.4	2.4
Implementation	2.5	2.4	2.4	2.4	2.3	2.3
Support services	2.8	2.7	2.7	2.7	2.6	2.6
Operations management	1.8	1.8	1.9	1.9	1.9	2.0
Training and education	4.0	3.9	4.0	4.0	4.0	4.0
Services total	2.5	2.4	2.4	2.4	2.4	2.4
Packaged software						
System infrastructure software	3.5	3.4	3.3	3.2	3.2	3.2
Appl. development and deployment	3.0	3.0	3.0	3.0	3.0	3.0
Applications	3.0	3.1	3.1	3.1	3.1	3.1
Packaged software total	3.2	3.2	3.1	3.1	3.1	3.1
Hardware						
Systems						
High-end servers	3.0	0.9	0.9	0.8	0.9	0.9
Midrange servers	3.5	4.3	4.0	3.8	3.8	3.8
Low-end servers	3.4	3.8	3.8	3.6	3.6	3.5
Standard Intel servers	3.2	3.5	3.6	3.5	3.4	3.4
Other low-end servers	3.9	4.3	4.0	4.2	4.2	4.3
Personal computers	2.6	2.6	2.4	2.4	2.3	2.4
Traditional workstations	2.2	2.2	2.2	2.2	2.3	2.3
Systems total	2.8	2.8	2.6	2.6	2.6	2.6
Storage						
Disk systems	3.0	3.0	3.0	3.1	3.2	3.2
Tape	3.3	3.3	3.3	3.2	3.2	3.2
Fibre Channel	3.0	3.0	3.0	3.1	3.2	3.2
Storage total	3.0	3.0	3.1	3.1	3.2	3.2
Peripherals						
Printers	3.4	3.3	3.3	3.4	3.4	3.4
Smart handheld devices	2.0	1.9	1.9	1.8	1.8	1.8
Other add-ons	2.8	2.8	2.7	2.6	2.6	2.5
Peripherals total	3.1	3.0	3.0	3.0	3.0	3.0
Networking equipment	3.2	3.1	3.1	3.1	3.1	3.1
Hardware total	2.9	2.9	2.8	2.8	2.8	2.8
Packaged software total	3.2	3.2	3.1	3.1	3.1	3.1
Services total	2.5	2.4	2.4	2.4	2.4	2.4
Total IT	2.7	2.7	2.7	2.7	2.6	2.6

Source: IDC, June 2002

Table 146
Belgium Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.8	0.8	0.8	0.8	0.8	0.8
Implementation	0.8	0.7	0.7	0.7	0.7	0.7
Support services	1.0	0.9	0.9	0.9	0.9	0.9
Operations management	0.5	0.5	0.5	0.5	0.5	0.5
Training and education	1.2	1.2	1.1	1.1	1.1	1.0
Services total	0.7	0.7	0.7	0.7	0.7	0.7
Packaged software						
System infrastructure software	1.0	0.9	0.8	0.8	0.8	0.8
Appl. development and deployment	0.9	0.9	0.8	0.8	0.8	0.8
Applications	0.9	0.9	0.9	0.9	0.9	0.9
Packaged software total	0.9	0.9	0.9	0.9	0.9	0.9
Hardware						
Systems						
High-end servers	0.8	0.3	0.3	0.3	0.3	0.3
Midrange servers	1.0	1.2	1.2	1.2	1.2	1.2
Low-end servers	1.0	1.0	1.0	0.9	0.9	0.9
Standard Intel servers	0.9	0.9	0.9	0.9	0.9	0.9
Other low-end servers	1.1	1.2	1.1	0.9	0.8	0.8
Personal computers	0.7	0.7	0.6	0.6	0.6	0.6
Traditional workstations	0.6	0.5	0.5	0.5	0.5	0.5
Systems total	0.7	0.8	0.7	0.7	0.6	0.6
Storage						
Disk systems	0.9	0.8	0.8	0.8	0.8	0.9
Tape	1.1	1.0	0.9	0.8	0.7	0.7
Fibre Channel	0.9	0.9	0.9	0.9	0.9	1.0
Storage total	0.9	0.8	0.8	0.8	0.8	0.9
Peripherals						
Printers	1.1	1.1	1.1	1.1	1.0	1.0
Smart handheld devices	0.4	0.4	0.4	0.3	0.3	0.3
Other add-ons	0.4	0.4	0.4	0.4	0.4	0.4
Peripherals total	0.8	0.8	0.8	0.7	0.7	0.7
Networking equipment	0.8	0.8	0.7	0.7	0.6	0.6
Hardware total	0.8	0.8	0.7	0.7	0.7	0.7
Packaged software total	0.9	0.9	0.9	0.9	0.9	0.9
Services total	0.7	0.7	0.7	0.7	0.7	0.7
Total IT	0.8	0.8	0.7	0.7	0.7	0.7

Source: IDC, June 2002

Table 147
IT Spending in Denmark, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	340.6	378.5	420.5	469.6	523.9	578.5
Implementation	662.8	729.1	807.7	902.0	1,004.4	1,112.5
Support services	724.7	787.8	862.3	948.0	1,041.0	1,134.4
Operations management	708.2	776.8	852.4	937.7	1,032.9	1,119.7
Training and education	299.0	322.1	349.9	386.4	426.5	468.7
Services total	2,735.2	2,994.3	3,292.7	3,643.6	4,028.7	4,413.8
Packaged software						
System infrastructure software	237.0	259.5	277.8	333.6	390.5	432.4
Appl. development and deployment	265.5	277.2	286.9	336.3	386.0	429.1
Applications	550.9	572.1	569.3	654.1	731.2	814.6
Packaged software total	1,053.4	1,108.8	1,134.0	1,324.0	1,507.6	1,676.1
Hardware						
Systems						
High-end servers	46.4	50.9	46.8	48.4	47.7	47.1
Midrange servers	69.1	82.2	89.5	104.4	117.1	125.1
Low-end servers	222.8	235.5	232.0	236.6	252.0	276.5
Standard Intel servers	178.0	176.3	171.9	193.5	214.2	238.7
Other low-end servers	44.8	59.1	60.1	43.0	37.8	37.8
Personal computers	1,079.9	1,055.6	1,055.1	1,050.6	1,027.6	1,014.0
Traditional workstations	13.7	10.9	9.8	8.7	7.4	6.5
Systems total	1,431.9	1,435.1	1,433.1	1,448.7	1,451.8	1,469.2
Storage						
Disk systems	158.0	146.2	157.8	173.3	189.7	208.0
Tape	28.5	29.5	27.7	27.5	28.5	29.0
Fibre Channel	12.4	18.1	26.3	35.0	44.8	58.5
Storage total	198.9	193.8	211.8	235.8	263.0	295.5
Peripherals						
Printers	159.5	155.2	160.8	163.6	164.6	163.1
Smart handheld devices	23.3	25.9	27.9	29.3	29.9	29.1
Other add-ons	41.4	41.0	41.6	49.2	50.8	56.1
Peripherals total	224.2	222.1	230.4	242.1	245.3	248.3
Networking equipment	362.1	374.1	370.1	384.3	380.4	384.9
Hardware total	2,217.1	2,225.1	2,245.5	2,310.9	2,340.6	2,397.8
Packaged software total	1,053.4	1,108.8	1,134.0	1,324.0	1,507.6	1,676.1
Services total	2,735.2	2,994.3	3,292.7	3,643.6	4,028.7	4,413.8
Total IT	6,005.7	6,328.2	6,672.2	7,278.5	7,876.9	8,487.8

Source: IDC, June 2002

Table 148
Growth in IT Spending in Denmark, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.1	11.1	11.7	11.6	10.4	11.2
Implementation	10.0	10.8	11.7	11.4	10.8	11.1
Support services	8.7	9.4	9.9	9.8	9.0	9.5
Operations management	9.7	9.7	10.0	10.1	8.4	9.6
Training and education	7.7	8.6	10.4	10.4	9.9	9.8
Services total	9.5	10.0	10.7	10.6	9.6	10.2
Packaged software						
System infrastructure software	9.5	7.1	20.1	17.0	10.7	13.6
Appl. development and deployment	4.4	3.5	17.2	14.8	11.2	11.5
Applications	3.8	-0.5	14.9	11.8	11.4	9.2
Packaged software total	5.3	2.3	16.8	13.9	11.2	10.9
Hardware						
Systems						
High-end servers	9.8	-8.1	3.3	-1.4	-1.3	-2.0
Midrange servers	19.0	8.8	16.7	12.2	6.9	11.1
Low-end servers	5.7	-1.5	2.0	6.5	9.7	4.1
Standard Intel servers	-0.9	-2.5	12.6	10.7	11.4	7.9
Other low-end servers	31.9	1.6	-28.4	-12.2	0.1	-10.6
Personal computers	-2.3	-0.1	-0.4	-2.2	-1.3	-1.0
Traditional workstations	-20.3	-10.0	-11.3	-14.7	-12.2	-12.0
Systems total	0.2	-0.1	1.1	0.2	1.2	0.6
Storage						
Disk systems	-7.4	7.9	9.8	9.5	9.6	9.2
Tape	3.4	-6.2	-0.6	3.7	1.5	-0.5
Fibre Channel	46.1	45.4	33.2	28.0	30.6	34.1
Storage total	-2.5	9.3	11.3	11.6	12.3	11.1
Peripherals						
Printers	-2.7	3.6	1.7	0.6	-0.9	1.2
Smart handheld devices	11.2	8.0	4.9	2.1	-2.8	3.0
Other add-ons	-0.9	1.5	18.3	3.1	10.4	8.1
Peripherals total	-0.9	3.7	5.1	1.3	1.2	2.8
Networking equipment	3.3	-1.0	3.8	-1.0	1.2	0.7
Hardware total	0.4	0.9	2.9	1.3	2.4	1.9
Packaged software total	5.3	2.3	16.8	13.9	11.2	10.9
Services total	9.5	10.0	10.7	10.6	9.6	10.2
Total IT	5.4	5.4	9.1	8.2	7.8	7.6

Source: IDC, June 2002

Table 149
Proportions of IT Spending Categories in Denmark, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.7	6.0	6.3	6.5	6.7	6.8
Implementation	11.0	11.5	12.1	12.4	12.8	13.1
Support services	12.1	12.4	12.9	13.0	13.2	13.4
Operations management	11.8	12.3	12.8	12.9	13.1	13.2
Training and education	5.0	5.1	5.2	5.3	5.4	5.5
Services total	45.5	47.3	49.3	50.1	51.1	52.0
Packaged software						
System infrastructure software	3.9	4.1	4.2	4.6	5.0	5.1
Appl. development and deployment	4.4	4.4	4.3	4.6	4.9	5.1
Applications	9.2	9.0	8.5	9.0	9.3	9.6
Packaged software total	17.5	17.5	17.0	18.2	19.1	19.7
Hardware						
Systems						
High-end servers	0.8	0.8	0.7	0.7	0.6	0.6
Midrange servers	1.1	1.3	1.3	1.4	1.5	1.5
Low-end servers	3.7	3.7	3.5	3.3	3.2	3.3
Standard Intel servers	3.0	2.8	2.6	2.7	2.7	2.8
Other low-end servers	0.7	0.9	0.9	0.6	0.5	0.4
Personal computers	18.0	16.7	15.8	14.4	13.0	11.9
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	23.8	22.7	21.5	19.9	18.4	17.3
Storage						
Disk systems	2.6	2.3	2.4	2.4	2.4	2.5
Tape	0.5	0.5	0.4	0.4	0.4	0.3
Fibre Channel	0.2	0.3	0.4	0.5	0.6	0.7
Storage total	3.3	3.1	3.2	3.2	3.3	3.5
Peripherals						
Printers	2.7	2.5	2.4	2.2	2.1	1.9
Smart handheld devices	0.4	0.4	0.4	0.4	0.4	0.3
Other add-ons	0.7	0.6	0.6	0.7	0.6	0.7
Peripherals total	3.7	3.5	3.5	3.3	3.1	2.9
Networking equipment	6.0	5.9	5.5	5.3	4.8	4.5
Hardware total	36.9	35.2	33.7	31.7	29.7	28.3
Packaged software total	17.5	17.5	17.0	18.2	19.1	19.7
Services total	45.5	47.3	49.3	50.1	51.1	52.0
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 150

Denmark Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.2	2.3	2.3	2.3	2.3	2.3
Implementation	2.3	2.3	2.3	2.3	2.3	2.3
Support services	2.3	2.3	2.3	2.3	2.3	2.3
Operations management	1.8	1.8	1.7	1.7	1.7	1.7
Training and education	3.7	3.8	3.9	4.0	4.1	4.2
Services total	2.2	2.2	2.2	2.2	2.2	2.2
Packaged software						
System infrastructure software	1.7	1.8	1.8	1.9	1.9	1.9
Appl. development and deployment	2.2	2.2	2.1	2.1	2.0	2.0
Applications	2.2	2.2	2.1	2.0	2.0	2.0
Packaged software total	2.1	2.1	2.0	2.0	2.0	2.0
Hardware						
Systems						
High-end servers	1.5	1.6	1.6	1.7	1.7	1.6
Midrange servers	1.8	2.1	2.2	2.2	2.2	2.2
Low-end servers	2.7	2.8	2.7	2.7	2.8	2.8
Standard Intel servers	3.3	3.2	3.0	2.9	2.9	3.0
Other low-end servers	1.6	2.1	2.1	2.0	2.0	2.0
Personal computers	2.4	2.5	2.6	2.5	2.4	2.4
Traditional workstations	1.4	1.4	1.4	1.4	1.4	1.4
Systems total	2.3	2.5	2.5	2.5	2.4	2.4
Storage						
Disk systems	2.1	2.1	2.2	2.3	2.3	2.4
Tape	2.2	2.4	2.3	2.4	2.4	2.4
Fibre Channel	2.1	2.1	2.2	2.3	2.3	2.4
Storage total	2.1	2.2	2.2	2.3	2.3	2.4
Peripherals						
Printers	2.0	1.9	2.0	2.0	2.0	2.0
Smart handheld devices	1.7	1.7	1.6	1.6	1.6	1.5
Other add-ons	2.3	2.3	2.2	2.2	2.1	2.1
Peripherals total	2.0	1.9	2.0	2.0	2.0	2.0
Networking equipment	2.6	2.7	2.5	2.5	2.5	2.5
Hardware total	2.3	2.4	2.4	2.4	2.4	2.4
Packaged software total	2.1	2.1	2.0	2.0	2.0	2.0
Services total	2.2	2.2	2.2	2.2	2.2	2.2
Total IT	2.2	2.2	2.2	2.2	2.2	2.2

Source: IDC, June 2002

Table 151
Denmark Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.7	0.8	0.8	0.8	0.8	0.7
Implementation	0.7	0.7	0.7	0.7	0.7	0.7
Support services	0.8	0.8	0.8	0.8	0.8	0.8
Operations management	0.5	0.5	0.5	0.5	0.5	0.4
Training and education	1.1	1.1	1.1	1.1	1.1	1.1
Services total	0.7	0.7	0.7	0.7	0.7	0.7
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.5	0.5	0.5
Appl. development and deployment	0.6	0.6	0.6	0.6	0.6	0.6
Applications	0.7	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.6	0.6	0.5	0.6	0.6	0.6
Hardware						
Systems						
High-end servers	0.4	0.5	0.5	0.5	0.5	0.5
Midrange servers	0.5	0.6	0.6	0.7	0.7	0.7
Low-end servers	0.8	0.8	0.7	0.7	0.7	0.7
Standard Intel servers	0.9	0.9	0.8	0.8	0.8	0.8
Other low-end servers	0.5	0.6	0.6	0.4	0.4	0.4
Personal computers	0.6	0.7	0.7	0.6	0.6	0.6
Traditional workstations	0.3	0.3	0.3	0.3	0.3	0.3
Systems total	0.6	0.7	0.7	0.6	0.6	0.6
Storage						
Disk systems	0.6	0.6	0.6	0.6	0.6	0.7
Tape	0.7	0.7	0.6	0.6	0.5	0.5
Fibre Channel	0.7	0.6	0.6	0.7	0.7	0.7
Storage total	0.6	0.6	0.6	0.6	0.6	0.7
Peripherals						
Printers	0.6	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.4	0.4	0.3	0.3	0.3	0.2
Other add-ons	0.3	0.4	0.3	0.4	0.4	0.4
Peripherals total	0.5	0.5	0.5	0.5	0.5	0.4
Networking equipment	0.6	0.7	0.6	0.6	0.5	0.5
Hardware total	0.6	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.6	0.6	0.5	0.6	0.6	0.6
Services total	0.7	0.7	0.7	0.7	0.7	0.7
Total IT	0.6	0.6	0.6	0.6	0.6	0.6

Source: IDC, June 2002

Table 152
IT Spending in Finland, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	254.2	284.1	320.3	360.4	404.2	446.2
Implementation	470.6	517.6	576.4	638.4	705.4	772.5
Support services	460.4	492.9	532.6	579.4	630.0	678.6
Operations management	393.4	438.3	484.5	537.4	595.8	649.6
Training and education	163.6	177.1	189.7	202.4	215.8	230.0
Services total	1,742.2	1,909.9	2,103.5	2,318.0	2,551.2	2,776.8
Packaged software						
System infrastructure software	237.0	256.6	294.1	343.4	391.0	429.9
Appl. development and deployment	237.0	250.0	276.9	320.7	363.8	407.6
Applications	403.8	443.8	506.3	593.7	677.5	754.8
Packaged software total	877.8	950.4	1,077.3	1,257.8	1,432.2	1,592.3
Hardware						
Systems						
High-end servers	6.2	8.1	7.7	6.6	6.6	6.9
Midrange servers	100.4	109.1	110.2	128.0	141.8	150.2
Low-end servers	206.6	203.1	195.7	199.3	206.4	222.2
Standard Intel servers	98.0	98.0	97.5	121.9	135.4	148.6
Other low-end servers	108.6	105.1	98.2	77.4	71.0	73.6
Personal computers	728.7	728.2	723.8	733.3	742.4	766.9
Traditional workstations	17.9	14.2	12.5	10.9	9.2	8.0
Systems total	1,059.8	1,062.8	1,049.8	1,078.1	1,106.5	1,154.2
Storage						
Disk systems	154.3	151.4	162.0	171.7	185.3	198.1
Tape	26.4	25.6	23.6	23.6	24.3	24.7
Fibre Channel	12.1	18.7	27.0	34.7	43.7	55.7
Storage total	192.8	195.8	212.5	230.0	253.3	278.5
Peripherals						
Printers	129.1	147.0	154.9	160.9	167.0	171.7
Smart handheld devices	23.3	24.6	25.6	26.0	25.5	24.3
Other add-ons	33.5	34.3	35.7	43.6	46.5	53.2
Peripherals total	185.9	205.9	216.2	230.5	239.1	249.2
Networking equipment	265.3	256.5	268.8	278.2	292.1	300.6
Hardware total	1,703.7	1,721.0	1,747.4	1,816.8	1,890.9	1,982.4
Packaged software total	877.8	950.4	1,077.3	1,257.8	1,432.2	1,592.3
Services total	1,742.2	1,909.9	2,103.5	2,318.0	2,551.2	2,776.8
Total IT	4,323.8	4,581.3	4,928.2	5,392.6	5,874.4	6,351.6

Source: IDC, June 2002

Table 153
Growth in IT Spending in Finland, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.8	12.8	12.5	12.1	10.4	11.9
Implementation	10.0	11.4	10.8	10.5	9.5	10.5
Support services	7.1	8.1	8.8	8.7	7.7	8.3
Operations management	11.4	10.5	10.9	10.9	9.0	10.3
Training and education	8.2	7.1	6.7	6.6	6.6	6.8
Services total	9.6	10.1	10.2	10.1	8.8	9.8
Packaged software						
System infrastructure software	8.3	14.6	16.8	13.9	10.0	13.8
Appl. development and deployment	5.5	10.8	15.8	13.4	12.1	13.0
Applications	9.9	14.1	17.3	14.1	11.4	14.2
Packaged software total	8.3	13.4	16.8	13.9	11.2	13.8
Hardware						
Systems						
High-end servers	31.3	-5.8	-13.7	0.3	4.1	-4.0
Midrange servers	8.7	1.0	16.2	10.8	5.9	8.3
Low-end servers	-1.7	-3.7	1.9	3.5	7.7	2.3
Standard Intel servers	0.0	-0.5	25.0	11.1	9.8	11.0
Other low-end servers	-3.2	-6.6	-21.1	-8.3	3.6	-8.5
Personal computers	-0.1	-0.6	1.3	1.2	3.3	1.3
Traditional workstations	-20.5	-12.2	-12.7	-15.7	-12.8	-13.4
Systems total	0.3	-1.2	2.7	2.6	4.3	2.1
Storage						
Disk systems	-1.9	7.0	6.0	7.9	6.9	7.0
Tape	-2.9	-8.1	0.1	3.0	1.5	-1.0
Fibre Channel	54.8	44.1	28.6	26.1	27.4	31.4
Storage total	1.5	8.6	8.2	10.1	9.9	9.2
Peripherals						
Printers	13.9	5.4	3.9	3.8	2.8	4.0
Smart handheld devices	5.3	4.3	1.4	-1.8	-4.9	-0.3
Other add-ons	2.5	3.9	22.3	6.7	14.2	11.6
Peripherals total	10.7	5.0	6.6	3.7	4.2	4.9
Networking equipment	-3.3	4.8	3.5	5.0	2.9	4.0
Hardware total	1.0	1.5	4.0	4.1	4.8	3.6
Packaged software total	8.3	13.4	16.8	13.9	11.2	13.8
Services total	9.6	10.1	10.2	10.1	8.8	9.8
Total IT	6.0	7.6	9.4	8.9	8.1	8.5

Source: IDC, June 2002

Table 154
Proportions of IT Spending Categories in Finland, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.9	6.2	6.5	6.7	6.9	7.0
Implementation	10.9	11.3	11.7	11.8	12.0	12.2
Support services	10.6	10.8	10.8	10.7	10.7	10.7
Operations management	9.1	9.6	9.8	10.0	10.1	10.2
Training and education	3.8	3.9	3.8	3.8	3.7	3.6
Services total	40.3	41.7	42.7	43.0	43.4	43.7
Packaged software						
System infrastructure software	5.5	5.6	6.0	6.4	6.7	6.8
Appl. development and deployment	5.5	5.5	5.6	5.9	6.2	6.4
Applications	9.3	9.7	10.3	11.0	11.5	11.9
Packaged software total	20.3	20.7	21.9	23.3	24.4	25.1
Hardware						
Systems						
High-end servers	0.1	0.2	0.2	0.1	0.1	0.1
Midrange servers	2.3	2.4	2.2	2.4	2.4	2.4
Low-end servers	4.8	4.4	4.0	3.7	3.5	3.5
Standard Intel servers	2.3	2.1	2.0	2.3	2.3	2.3
Other low-end servers	2.5	2.3	2.0	1.4	1.2	1.2
Personal computers	16.9	15.9	14.7	13.6	12.6	12.1
Traditional workstations	0.4	0.3	0.3	0.2	0.2	0.1
Systems total	24.5	23.2	21.3	20.0	18.8	18.2
Storage						
Disk systems	3.6	3.3	3.3	3.2	3.2	3.1
Tape	0.6	0.6	0.5	0.4	0.4	0.4
Fibre Channel	0.3	0.4	0.5	0.6	0.7	0.9
Storage total	4.5	4.3	4.3	4.3	4.3	4.4
Peripherals						
Printers	3.0	3.2	3.1	3.0	2.8	2.7
Smart handheld devices	0.5	0.5	0.5	0.5	0.4	0.4
Other add-ons	0.8	0.7	0.7	0.8	0.8	0.8
Peripherals total	4.3	4.5	4.4	4.3	4.1	3.9
Networking equipment	6.1	5.6	5.5	5.2	5.0	4.7
Hardware total	39.4	37.6	35.5	33.7	32.2	31.2
Packaged software total	20.3	20.7	21.9	23.3	24.4	25.1
Services total	40.3	41.7	42.7	43.0	43.4	43.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 155
Finland Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.7	1.7	1.7	1.7	1.8	1.7
Implementation	1.6	1.6	1.7	1.6	1.6	1.6
Support services	1.4	1.4	1.4	1.4	1.4	1.4
Operations management	1.0	1.0	1.0	1.0	1.0	1.0
Training and education	2.0	2.1	2.1	2.1	2.1	2.1
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Packaged software						
System infrastructure software	1.7	1.8	1.9	1.9	1.9	1.9
Appl. development and deployment	2.0	2.0	2.0	2.0	1.9	1.9
Applications	1.6	1.7	1.8	1.9	1.9	1.9
Packaged software total	1.8	1.8	1.9	1.9	1.9	1.9
Hardware						
Systems						
High-end servers	0.2	0.3	0.3	0.2	0.2	0.2
Midrange servers	2.6	2.8	2.7	2.7	2.6	2.6
Low-end servers	2.5	2.4	2.3	2.3	2.3	2.2
Standard Intel servers	1.8	1.8	1.7	1.8	1.9	1.9
Other low-end servers	3.9	3.7	3.5	3.6	3.8	3.9
Personal computers	1.6	1.7	1.8	1.8	1.7	1.8
Traditional workstations	1.8	1.8	1.8	1.8	1.8	1.8
Systems total	1.7	1.8	1.8	1.8	1.8	1.9
Storage						
Disk systems	2.1	2.2	2.2	2.2	2.3	2.3
Tape	2.1	2.1	2.0	2.0	2.0	2.1
Fibre Channel	2.1	2.2	2.2	2.2	2.3	2.3
Storage total	2.1	2.2	2.2	2.2	2.2	2.3
Peripherals						
Printers	1.6	1.8	1.9	2.0	2.1	2.1
Smart handheld devices	1.8	1.6	1.5	1.4	1.3	1.2
Other add-ons	1.8	1.9	1.9	1.9	2.0	2.0
Peripherals total	1.7	1.8	1.8	1.9	1.9	2.0
Networking equipment	1.9	1.8	1.8	1.8	1.9	2.0
Hardware total	1.8	1.8	1.9	1.9	1.9	1.9
Packaged software total	1.8	1.8	1.9	1.9	1.9	1.9
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Total IT	1.6	1.6	1.6	1.6	1.6	1.7

Source: IDC, June 2002

Table 156
Finland Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.6	0.6	0.6	0.6
Implementation	0.5	0.5	0.5	0.5	0.5	0.5
Support services	0.5	0.5	0.5	0.5	0.5	0.5
Operations management	0.3	0.3	0.3	0.3	0.3	0.3
Training and education	0.6	0.6	0.6	0.6	0.6	0.5
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.5	0.5	0.5
Appl. development and deployment	0.6	0.6	0.6	0.6	0.5	0.5
Applications	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.7	0.8	0.8	0.8	0.8	0.8
Low-end servers	0.7	0.7	0.6	0.6	0.6	0.6
Standard Intel servers	0.5	0.5	0.4	0.5	0.5	0.5
Other low-end servers	1.1	1.0	0.9	0.8	0.7	0.8
Personal computers	0.4	0.5	0.5	0.4	0.4	0.4
Traditional workstations	0.5	0.4	0.4	0.4	0.4	0.4
Systems total	0.5	0.5	0.5	0.5	0.5	0.5
Storage						
Disk systems	0.6	0.6	0.6	0.6	0.6	0.6
Tape	0.7	0.6	0.5	0.5	0.5	0.5
Fibre Channel	0.6	0.6	0.7	0.7	0.7	0.7
Storage total	0.6	0.6	0.6	0.6	0.6	0.6
Peripherals						
Printers	0.5	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.4	0.3	0.3	0.3	0.2	0.2
Other add-ons	0.3	0.3	0.3	0.3	0.3	0.4
Peripherals total	0.4	0.5	0.5	0.5	0.5	0.4
Networking equipment	0.5	0.5	0.4	0.4	0.4	0.4
Hardware total	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Total IT	0.5	0.5	0.5	0.5	0.5	0.4

Source: IDC, June 2002

Table 157
IT Spending in France, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3,095.5	3,433.6	3,822.7	4,272.4	4,785.2	5,333.2
Implementation	5,892.6	6,595.1	7,383.6	8,278.7	9,298.7	10,385.9
Support services	6,272.5	6,975.8	7,649.3	8,421.1	9,407.2	10,186.8
Operations management	7,867.3	8,668.1	9,542.5	10,537.5	11,482.2	12,498.5
Training and education	1,339.6	1,407.9	1,477.7	1,557.7	1,678.0	1,805.4
Services total	24,467.5	27,080.5	29,875.8	33,067.4	36,651.3	40,209.7
Packaged software						
System infrastructure software	2,529.9	2,572.4	2,717.6	3,180.8	3,336.0	3,694.9
Appl. development and deployment	1,926.7	2,102.3	2,244.1	2,624.7	3,260.5	3,638.9
Applications	3,920.5	4,195.7	4,507.2	5,316.1	5,992.2	6,662.0
Packaged software total	8,377.1	8,870.4	9,468.9	11,121.6	12,588.7	13,995.7
Hardware						
Systems						
High-end servers	521.0	612.1	606.2	596.9	608.9	624.8
Midrange servers	496.8	424.3	489.0	541.6	630.0	667.2
Low-end servers	1,086.0	1,020.9	1,097.7	1,072.9	1,156.4	1,251.5
Standard Intel servers	726.5	708.8	788.3	837.9	960.7	1,052.4
Other low-end servers	359.5	312.1	309.4	235.0	195.7	199.1
Personal computers	6,657.3	6,367.5	5,698.5	5,834.0	5,873.5	5,786.2
Traditional workstations	174.2	134.0	119.8	106.7	92.0	81.4
Systems total	8,935.3	8,558.7	8,011.1	8,152.2	8,360.9	8,411.0
Storage						
Disk systems	1,051.4	1,048.4	1,180.6	1,036.6	1,110.8	1,077.5
Tape	177.5	164.6	164.8	156.2	164.0	163.6
Fibre Channel	82.4	129.6	196.5	209.4	262.3	303.0
Storage total	1,311.2	1,342.6	1,541.9	1,402.2	1,537.0	1,544.0
Peripherals						
Printers	1,290.4	1,285.8	1,282.1	1,283.2	1,285.1	1,275.9
Smart handheld devices	195.4	228.2	257.6	281.9	297.3	303.7
Other add-ons	260.4	258.1	266.0	325.2	335.1	376.1
Peripherals total	1,746.2	1,772.1	1,805.8	1,890.3	1,917.5	1,955.6
Networking equipment	1,692.9	1,808.3	1,879.8	1,996.5	1,920.5	1,874.9
Hardware total	13,685.6	13,481.7	13,238.5	13,441.1	13,735.9	13,785.5
Packaged software total	8,377.1	8,870.4	9,468.9	11,121.6	12,588.7	13,995.7
Services total	24,467.5	27,080.5	29,875.8	33,067.4	36,651.3	40,209.7
Total IT	46,530.2	49,432.6	52,583.3	57,630.1	62,976.0	67,991.0

Source: IDC, June 2002

Table 158
Growth in IT Spending in France, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	10.9	11.3	11.8	12.0	11.5	11.6
Implementation	11.9	12.0	12.1	12.3	11.7	12.0
Support services	11.2	9.7	10.1	11.7	8.3	9.9
Operations management	10.2	10.1	10.4	9.0	8.9	9.6
Training and education	5.1	5.0	5.4	7.7	7.6	6.4
Services total	10.7	10.3	10.7	10.8	9.7	10.4
Packaged software						
System infrastructure software	1.7	5.6	17.0	4.9	10.8	9.5
Appl. development and deployment	9.1	6.7	17.0	24.2	11.6	14.7
Applications	7.0	7.4	17.9	12.7	11.2	12.3
Packaged software total	5.9	6.7	17.5	13.2	11.2	12.1
Hardware						
Systems						
High-end servers	17.5	-1.0	-1.5	2.0	2.6	0.5
Midrange servers	-14.6	15.2	10.8	16.3	5.9	12.0
Low-end servers	-6.0	7.5	-2.3	7.8	8.2	5.2
Standard Intel servers	-2.4	11.2	6.3	14.6	9.6	10.4
Other low-end servers	-13.2	-0.9	-24.1	-16.7	1.7	-10.6
Personal computers	-4.4	-10.5	2.4	0.7	-1.5	-2.4
Traditional workstations	-23.1	-10.6	-10.9	-13.8	-11.5	-11.7
Systems total	-4.2	-6.4	1.8	2.6	0.6	-0.4
Storage						
Disk systems	-0.3	12.6	-12.2	7.2	-3.0	0.7
Tape	-7.2	0.1	-5.2	5.0	-0.2	-0.2
Fibre Channel	57.3	51.7	6.6	25.3	15.5	23.7
Storage total	2.4	14.8	-9.1	9.6	0.5	3.6
Peripherals						
Printers	-0.4	-0.3	0.1	0.1	-0.7	-0.2
Smart handheld devices	16.8	12.9	9.4	5.5	2.1	7.4
Other add-ons	-0.9	3.1	22.2	3.0	12.2	9.9
Peripherals total	1.5	1.9	4.7	1.4	2.0	2.5
Networking equipment	6.8	4.0	6.2	-3.8	-2.4	0.9
Hardware total	-1.5	-1.8	1.5	2.2	0.4	0.6
Packaged software total	5.9	6.7	17.5	13.2	11.2	12.1
Services total	10.7	10.3	10.7	10.8	9.7	10.4
Total IT	6.2	6.4	9.6	9.3	8.0	8.3

Source: IDC, June 2002

Table 159
Proportions of IT Spending Categories in France, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.7	6.9	7.3	7.4	7.6	7.8
Implementation	12.7	13.3	14.0	14.4	14.8	15.3
Support services	13.5	14.1	14.5	14.6	14.9	15.0
Operations management	16.9	17.5	18.1	18.3	18.2	18.4
Training and education	2.9	2.8	2.8	2.7	2.7	2.7
Services total	52.6	54.8	56.8	57.4	58.2	59.1
Packaged software						
System infrastructure software	5.4	5.2	5.2	5.5	5.3	5.4
Appl. development and deployment	4.1	4.3	4.3	4.6	5.2	5.4
Applications	8.4	8.5	8.6	9.2	9.5	9.8
Packaged software total	18.0	17.9	18.0	19.3	20.0	20.6
Hardware						
Systems						
High-end servers	1.1	1.2	1.2	1.0	1.0	0.9
Midrange servers	1.1	0.9	0.9	0.9	1.0	1.0
Low-end servers	2.3	2.1	2.1	1.9	1.8	1.8
Standard Intel servers	1.6	1.4	1.5	1.5	1.5	1.5
Other low-end servers	0.8	0.6	0.6	0.4	0.3	0.3
Personal computers	14.3	12.9	10.8	10.1	9.3	8.5
Traditional workstations	0.4	0.3	0.2	0.2	0.1	0.1
Systems total	19.2	17.3	15.2	14.1	13.3	12.4
Storage						
Disk systems	2.3	2.1	2.2	1.8	1.8	1.6
Tape	0.4	0.3	0.3	0.3	0.3	0.2
Fibre Channel	0.2	0.3	0.4	0.4	0.4	0.4
Storage total	2.8	2.7	2.9	2.4	2.4	2.3
Peripherals						
Printers	2.8	2.6	2.4	2.2	2.0	1.9
Smart handheld devices	0.4	0.5	0.5	0.5	0.5	0.4
Other add-ons	0.6	0.5	0.5	0.6	0.5	0.6
Peripherals total	3.8	3.6	3.4	3.3	3.0	2.9
Networking equipment	3.6	3.7	3.6	3.5	3.0	2.8
Hardware total	29.4	27.3	25.2	23.3	21.8	20.3
Packaged software total	18.0	17.9	18.0	19.3	20.0	20.6
Services total	52.6	54.8	56.8	57.4	58.2	59.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 160
France Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	20.2	20.4	20.6	20.6	20.7	20.9
Implementation	20.5	20.9	21.2	21.4	21.6	21.9
Support services	19.6	20.1	20.3	20.5	20.9	21.0
Operations management	19.6	19.6	19.4	19.3	19.1	19.0
Training and education	16.7	16.6	16.4	16.2	16.2	16.2
Services total	19.7	19.9	20.0	20.1	20.2	20.2
Packaged software						
System infrastructure software	18.6	18.0	17.7	17.7	16.5	16.5
Appl. development and deployment	16.2	16.6	16.3	16.2	17.2	17.1
Applications	16.0	16.2	16.4	16.6	16.6	16.6
Packaged software total	16.7	16.8	16.7	16.8	16.7	16.7
Hardware						
Systems						
High-end servers	17.3	19.1	20.1	21.0	21.4	21.7
Midrange servers	13.0	11.0	11.8	11.3	11.6	11.6
Low-end servers	13.3	12.2	12.8	12.3	12.7	12.6
Standard Intel servers	13.3	12.8	13.7	12.7	13.2	13.1
Other low-end servers	13.1	10.9	11.0	11.0	10.6	10.5
Personal computers	14.8	15.1	14.0	14.0	13.8	13.5
Traditional workstations	17.5	16.9	17.1	17.3	17.6	17.9
Systems total	14.6	14.6	14.0	13.9	13.8	13.6
Storage						
Disk systems	14.1	15.2	16.2	13.5	13.6	12.4
Tape	14.0	13.3	13.9	13.5	13.8	13.7
Fibre Channel	14.1	15.2	16.2	13.5	13.6	12.4
Storage total	14.1	15.0	16.0	13.5	13.6	12.5
Peripherals						
Printers	16.1	15.8	15.6	15.6	15.8	15.9
Smart handheld devices	14.7	14.9	15.1	15.3	15.4	15.6
Other add-ons	14.4	14.2	14.2	14.3	14.1	14.1
Peripherals total	15.6	15.4	15.3	15.3	15.4	15.5
Networking equipment	11.9	12.8	12.9	13.1	12.5	12.3
Hardware total	14.3	14.5	14.2	13.9	13.8	13.5
Packaged software total	16.7	16.8	16.7	16.8	16.7	16.7
Services total	19.7	19.9	20.0	20.1	20.2	20.2
Total IT	17.2	17.5	17.6	17.6	17.7	17.7

Source: IDC, June 2002

Table 161
France Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.8	7.0	7.0	7.0	7.0	6.9
Implementation	6.1	6.3	6.5	6.5	6.6	6.7
Support services	6.7	6.9	6.9	6.9	7.0	6.9
Operations management	5.3	5.3	5.2	5.1	5.0	5.0
Training and education	5.1	4.9	4.7	4.5	4.3	4.1
Services total	5.9	6.0	6.0	6.0	6.0	5.9
Packaged software						
System infrastructure software	5.0	4.7	4.5	4.6	4.3	4.2
Appl. development and deployment	4.6	4.7	4.5	4.5	4.9	4.9
Applications	4.8	4.7	4.6	4.8	4.8	4.7
Packaged software total	4.8	4.7	4.5	4.7	4.6	4.6
Hardware						
Systems						
High-end servers	4.9	6.4	6.5	6.4	6.3	6.4
Midrange servers	3.6	3.2	3.4	3.4	3.6	3.6
Low-end servers	3.7	3.3	3.3	3.1	3.1	3.2
Standard Intel servers	3.7	3.4	3.5	3.4	3.5	3.6
Other low-end servers	3.7	3.1	2.9	2.4	2.0	2.0
Personal computers	3.9	4.1	3.6	3.4	3.3	3.2
Traditional workstations	4.4	4.0	4.0	4.0	3.9	3.8
Systems total	3.9	4.1	3.7	3.5	3.4	3.4
Storage						
Disk systems	4.1	4.1	4.4	3.7	3.7	3.4
Tape	4.5	4.0	3.8	3.3	3.1	3.0
Fibre Channel	4.3	4.5	4.8	4.0	4.0	3.7
Storage total	4.1	4.1	4.4	3.7	3.7	3.4
Peripherals						
Printers	5.0	5.2	5.0	4.9	4.8	4.7
Smart handheld devices	3.1	3.2	3.0	2.8	2.6	2.3
Other add-ons	2.1	2.2	2.2	2.4	2.4	2.5
Peripherals total	3.9	4.1	3.9	3.8	3.6	3.5
Networking equipment	3.0	3.2	3.0	2.9	2.5	2.2
Hardware total	3.8	3.9	3.7	3.4	3.3	3.2
Packaged software total	4.8	4.7	4.5	4.7	4.6	4.6
Services total	5.9	6.0	6.0	6.0	6.0	5.9
Total IT	4.9	5.0	4.9	4.9	4.9	4.8

Source: IDC, June 2002

Table 162
IT Spending in Germany, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3,125.6	3,368.4	3,667.6	4,036.9	4,454.0	4,905.3
Implementation	6,066.7	6,527.8	7,106.7	7,853.6	8,702.6	9,616.4
Support services	6,825.0	7,258.7	7,697.1	8,192.1	8,756.6	9,318.8
Operations management	8,722.3	9,565.4	10,518.6	11,621.5	12,799.6	14,111.7
Training and education	1,931.1	1,999.2	2,074.4	2,161.1	2,268.8	2,392.6
Services total	26,670.5	28,719.6	31,064.4	33,865.3	36,981.6	40,344.7
Packaged software						
System infrastructure software	3,230.5	3,353.1	3,619.7	4,187.1	4,681.2	5,227.0
Appl. development and deployment	2,549.8	2,672.9	2,973.3	3,654.2	4,351.8	4,897.9
Applications	5,757.1	5,906.7	6,334.5	7,384.6	8,304.8	9,234.4
Packaged software total	11,537.3	11,932.8	12,927.6	15,226.0	17,337.7	19,359.4
Hardware						
Systems						
High-end servers	1,272.0	1,305.8	1,265.5	1,175.5	1,164.6	1,160.4
Midrange servers	981.1	966.8	1,029.9	1,214.1	1,366.0	1,436.8
Low-end servers	1,844.0	1,797.4	1,835.2	1,943.9	2,096.7	2,279.5
Standard Intel servers	1,169.2	1,063.7	1,101.9	1,348.1	1,570.5	1,738.3
Other low-end servers	674.8	733.7	733.3	595.8	526.2	541.3
Personal computers	10,105.3	8,802.3	8,648.7	8,622.7	8,722.1	8,736.0
Traditional workstations	265.2	232.3	202.4	177.7	150.3	130.4
Systems total	14,467.6	13,104.7	12,981.6	13,134.0	13,499.7	13,743.1
Storage						
Disk systems	1,874.9	1,894.5	1,745.3	1,942.3	2,031.7	2,192.1
Tape	345.6	325.7	310.3	306.1	316.7	320.0
Fibre Channel	146.9	234.2	290.5	392.3	479.7	616.5
Storage total	2,367.3	2,454.4	2,346.1	2,640.8	2,828.2	3,128.6
Peripherals						
Printers	1,909.1	1,853.1	1,807.8	1,758.9	1,702.9	1,640.3
Smart handheld devices	295.9	344.9	388.9	426.2	446.1	452.8
Other add-ons	452.7	446.3	455.0	554.9	569.6	637.4
Peripherals total	2,657.7	2,644.3	2,651.7	2,739.9	2,718.6	2,730.5
Networking equipment	3,544.9	3,328.0	3,442.9	3,610.9	3,524.9	3,498.1
Hardware total	23,037.5	21,531.6	21,422.4	22,125.6	22,571.4	23,100.4
Packaged software total	11,537.3	11,932.8	12,927.6	15,226.0	17,337.7	19,359.4
Services total	26,670.5	28,719.6	31,064.4	33,865.3	36,981.6	40,344.7
Total IT	61,245.3	62,183.9	65,414.4	71,216.9	76,890.7	82,804.4

Source: IDC, June 2002

Table 163
Growth in IT Spending in Germany, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	7.8	8.9	10.1	10.3	10.1	9.9
Implementation	7.6	8.9	10.5	10.8	10.5	10.2
Support services	6.4	6.0	6.4	6.9	6.4	6.4
Operations management	9.7	10.0	10.5	10.1	10.3	10.2
Training and education	3.5	3.8	4.2	5.0	5.5	4.6
Services total	7.7	8.2	9.0	9.2	9.1	8.9
Packaged software						
System infrastructure software	3.8	8.0	15.7	11.8	11.7	11.7
Appl. development and deployment	4.8	11.2	22.9	19.1	12.5	16.3
Applications	2.6	7.2	16.6	12.5	11.2	11.8
Packaged software total	3.4	8.3	17.8	13.9	11.7	12.9
Hardware						
Systems						
High-end servers	2.7	-3.1	-7.1	-0.9	-0.4	-2.9
Midrange servers	-1.5	6.5	17.9	12.5	5.2	10.4
Low-end servers	-2.5	2.1	5.9	7.9	8.7	6.1
Standard Intel servers	-9.0	3.6	22.3	16.5	10.7	13.1
Other low-end servers	8.7	-0.1	-18.7	-11.7	2.9	-7.3
Personal computers	-12.9	-1.7	-0.3	1.2	0.2	-0.2
Traditional workstations	-12.4	-12.9	-12.2	-15.4	-13.2	-13.4
Systems total	-9.4	-0.9	1.2	2.8	1.8	1.2
Storage						
Disk systems	1.0	-7.9	11.3	4.6	7.9	3.7
Tape	-5.7	-4.7	-1.4	3.5	1.0	-0.4
Fibre Channel	59.4	24.1	35.1	22.3	28.5	27.4
Storage total	3.7	-4.4	12.6	7.1	10.6	6.3
Peripherals						
Printers	-2.9	-2.4	-2.7	-3.2	-3.7	-3.0
Smart handheld devices	16.6	12.8	9.6	4.7	1.5	7.0
Other add-ons	-1.4	2.0	22.0	2.7	11.9	9.3
Peripherals total	-0.5	0.3	3.3	-0.8	0.4	0.8
Networking equipment	-6.1	3.5	4.9	-2.4	-0.8	1.3
Hardware total	-6.5	-0.5	3.3	2.0	2.3	1.8
Packaged software total	3.4	8.3	17.8	13.9	11.7	12.9
Services total	7.7	8.2	9.0	9.2	9.1	8.9
Total IT	1.5	5.2	8.9	8.0	7.7	7.4

Source: IDC, June 2002

Table 164
Proportions of IT Spending Categories in Germany, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.1	5.4	5.6	5.7	5.8	5.9
Implementation	9.9	10.5	10.9	11.0	11.3	11.6
Support services	11.1	11.7	11.8	11.5	11.4	11.3
Operations management	14.2	15.4	16.1	16.3	16.6	17.0
Training and education	3.2	3.2	3.2	3.0	3.0	2.9
Services total	43.5	46.2	47.5	47.6	48.1	48.7
Packaged software						
System infrastructure software	5.3	5.4	5.5	5.9	6.1	6.3
Appl. development and deployment	4.2	4.3	4.5	5.1	5.7	5.9
Applications	9.4	9.5	9.7	10.4	10.8	11.2
Packaged software total	18.8	19.2	19.8	21.4	22.5	23.4
Hardware						
Systems						
High-end servers	2.1	2.1	1.9	1.7	1.5	1.4
Midrange servers	1.6	1.6	1.6	1.7	1.8	1.7
Low-end servers	3.0	2.9	2.8	2.7	2.7	2.8
Standard Intel servers	1.9	1.7	1.7	1.9	2.0	2.1
Other low-end servers	1.1	1.2	1.1	0.8	0.7	0.7
Personal computers	16.5	14.2	13.2	12.1	11.3	10.6
Traditional workstations	0.4	0.4	0.3	0.2	0.2	0.2
Systems total	23.6	21.1	19.8	18.4	17.6	16.6
Storage						
Disk systems	3.1	3.0	2.7	2.7	2.6	2.6
Tape	0.6	0.5	0.5	0.4	0.4	0.4
Fibre Channel	0.2	0.4	0.4	0.6	0.6	0.7
Storage total	3.9	3.9	3.6	3.7	3.7	3.8
Peripherals						
Printers	3.1	3.0	2.8	2.5	2.2	2.0
Smart handheld devices	0.5	0.6	0.6	0.6	0.6	0.5
Other add-ons	0.7	0.7	0.7	0.8	0.7	0.8
Peripherals total	4.3	4.3	4.1	3.8	3.5	3.3
Networking equipment	5.8	5.4	5.3	5.1	4.6	4.2
Hardware total	37.6	34.6	32.7	31.1	29.4	27.9
Packaged software total	18.8	19.2	19.8	21.4	22.5	23.4
Services total	43.5	46.2	47.5	47.6	48.1	48.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 165

Germany Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	20.4	20.1	19.7	19.5	19.3	19.2
Implementation	21.1	20.7	20.4	20.3	20.2	20.3
Support services	21.3	20.9	20.4	20.0	19.4	19.2
Operations management	21.8	21.6	21.4	21.3	21.3	21.4
Training and education	24.0	23.5	23.0	22.5	21.9	21.4
Services total	21.5	21.1	20.8	20.6	20.4	20.3
Packaged software						
System infrastructure software	23.8	23.5	23.5	23.2	23.2	23.3
Appl. development and deployment	21.4	21.1	21.6	22.6	23.0	23.0
Applications	23.4	22.9	23.0	23.1	22.9	22.9
Packaged software total	23.0	22.6	22.8	23.0	23.0	23.1
Hardware						
Systems						
High-end servers	42.3	40.7	42.0	41.4	40.9	40.2
Midrange servers	25.6	25.1	24.9	25.3	25.2	25.0
Low-end servers	22.5	21.4	21.4	22.2	23.0	23.0
Standard Intel servers	21.5	19.2	19.1	20.4	21.6	21.7
Other low-end servers	24.5	25.7	26.2	27.9	28.4	28.5
Personal computers	22.4	20.8	21.2	20.6	20.5	20.4
Traditional workstations	26.7	29.2	28.9	28.8	28.7	28.6
Systems total	23.7	22.4	22.7	22.3	22.3	22.2
Storage						
Disk systems	25.2	27.5	24.0	25.4	24.9	25.3
Tape	27.2	26.4	26.3	26.4	26.6	26.8
Fibre Channel	25.2	27.5	24.0	25.4	24.9	25.3
Storage total	25.5	27.4	24.3	25.5	25.1	25.4
Peripherals						
Printers	23.8	22.8	22.0	21.5	20.9	20.5
Smart handheld devices	22.2	22.5	22.8	23.1	23.2	23.2
Other add-ons	25.0	24.6	24.3	24.3	24.0	23.8
Peripherals total	23.8	23.0	22.5	22.2	21.8	21.6
Networking equipment	25.0	23.6	23.7	23.7	22.9	22.9
Hardware total	24.1	23.1	23.0	22.9	22.7	22.6
Packaged software total	23.0	22.6	22.8	23.0	23.0	23.1
Services total	21.5	21.1	20.8	20.6	20.4	20.3
Total IT	22.7	22.1	21.9	21.7	21.6	21.5

Source: IDC, June 2002

Table 166
Germany Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.9	6.8	6.7	6.6	6.5	6.4
Implementation	6.3	6.3	6.2	6.2	6.2	6.2
Support services	7.3	7.2	7.0	6.8	6.5	6.3
Operations management	5.8	5.8	5.7	5.7	5.6	5.6
Training and education	7.3	7.0	6.6	6.2	5.8	5.4
Services total	6.5	6.4	6.3	6.2	6.1	6.0
Packaged software						
System infrastructure software	6.4	6.1	5.9	6.0	6.0	6.0
Appl. development and deployment	6.1	5.9	5.9	6.3	6.5	6.6
Applications	7.0	6.6	6.5	6.6	6.6	6.5
Packaged software total	6.6	6.3	6.2	6.4	6.4	6.4
Hardware						
Systems						
High-end servers	12.0	13.7	13.5	12.7	12.1	11.8
Midrange servers	7.2	7.4	7.1	7.7	7.8	7.7
Low-end servers	6.3	5.8	5.6	5.6	5.7	5.8
Standard Intel servers	5.9	5.1	4.9	5.4	5.8	5.9
Other low-end servers	7.0	7.2	7.0	6.0	5.3	5.6
Personal computers	6.0	5.7	5.4	5.1	5.0	4.8
Traditional workstations	6.7	6.9	6.8	6.6	6.3	6.2
Systems total	6.4	6.2	5.9	5.7	5.6	5.5
Storage						
Disk systems	7.3	7.4	6.5	6.8	6.7	6.9
Tape	8.7	8.0	7.2	6.5	6.0	5.8
Fibre Channel	7.7	8.1	7.1	7.5	7.4	7.6
Storage total	7.5	7.6	6.7	6.9	6.7	6.9
Peripherals						
Printers	7.4	7.4	7.1	6.7	6.3	6.0
Smart handheld devices	4.8	4.8	4.6	4.3	3.9	3.4
Other add-ons	3.6	3.9	3.7	4.1	4.0	4.2
Peripherals total	6.0	6.0	5.7	5.5	5.2	4.9
Networking equipment	6.3	5.9	5.6	5.2	4.6	4.1
Hardware total	6.4	6.3	5.9	5.7	5.5	5.3
Packaged software total	6.6	6.3	6.2	6.4	6.4	6.4
Services total	6.5	6.4	6.3	6.2	6.1	6.0
Total IT	6.5	6.3	6.1	6.0	5.9	5.8

Source: IDC, June 2002

Table 167
IT Spending in Greece, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	73.4	82.3	94.7	109.9	127.2	140.5
Implementation	141.7	156.1	175.0	195.6	217.7	237.5
Support services	216.8	235.8	259.6	283.2	296.0	309.5
Operations management	39.4	43.8	49.3	55.8	62.1	70.0
Training and education	26.3	28.3	30.5	33.1	34.8	36.5
Services total	497.6	546.2	609.1	677.5	737.7	794.0
Packaged software						
System infrastructure software	61.3	65.0	73.5	88.7	104.3	116.8
Appl. development and deployment	80.4	79.5	80.7	92.8	104.7	114.6
Applications	113.6	123.1	134.0	155.9	181.7	204.4
Packaged software total	255.3	267.6	288.2	337.4	390.7	435.8
Hardware						
Systems						
High-end servers	1.0	–	–	–	0.0	0.0
Midrange servers	19.2	23.6	23.9	27.9	32.1	34.1
Low-end servers	58.4	60.3	58.9	62.6	66.4	73.8
Standard Intel servers	42.3	45.4	44.2	51.4	57.2	64.3
Other low-end servers	16.0	14.9	14.8	11.1	9.2	9.4
Personal computers	477.1	470.1	468.4	479.3	491.2	524.9
Traditional workstations	2.5	1.6	1.5	1.3	1.1	0.9
Systems total	558.2	555.7	552.7	571.0	590.8	633.8
Storage						
Disk systems	51.8	47.2	58.1	63.8	71.2	78.8
Tape	6.6	6.7	6.2	6.4	6.7	7.0
Fibre Channel	4.1	5.8	9.7	12.9	16.8	22.2
Storage total	62.5	59.7	74.0	83.0	94.7	107.9
Peripherals						
Printers	89.1	93.5	96.6	96.4	95.3	93.1
Smart handheld devices	6.6	7.8	9.6	10.6	11.5	12.2
Other add-ons	12.1	12.3	13.0	16.3	17.1	19.5
Peripherals total	107.8	113.6	119.3	123.3	123.8	124.8
Networking equipment	104.8	104.6	110.4	120.1	132.5	143.2
Hardware total	833.2	833.6	856.3	897.5	941.8	1,009.8
Packaged software total	255.3	267.6	288.2	337.4	390.7	435.8
Services total	497.6	546.2	609.1	677.5	737.7	794.0
Total IT	1,586.2	1,647.5	1,753.6	1,912.4	2,070.2	2,239.6

Source: IDC, June 2002

Table 168
Growth in IT Spending in Greece, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	12.2	15.0	16.0	15.8	10.5	14.3
Implementation	10.1	12.1	11.8	11.3	9.1	11.1
Support services	8.7	10.1	9.1	4.5	4.6	7.0
Operations management	11.1	12.6	13.2	11.3	12.8	12.5
Training and education	7.6	7.7	8.5	5.1	4.9	6.5
Services total	9.8	11.5	11.2	8.9	7.6	9.8
Packaged software						
System infrastructure software	6.1	13.0	20.8	17.5	12.0	15.8
Appl. development and deployment	-1.2	1.5	15.0	12.8	9.5	9.6
Applications	8.3	8.8	16.3	16.5	12.5	13.5
Packaged software total	4.8	7.7	17.1	15.8	11.5	13.0
Hardware						
Systems						
High-end servers	-100.0	–	–	–	-0.1	–
Midrange servers	22.7	1.5	16.4	15.1	6.5	9.7
Low-end servers	3.3	-2.3	6.1	6.2	11.1	5.2
Standard Intel servers	7.3	-2.7	16.4	11.3	12.4	9.1
Other low-end servers	-7.3	-0.8	-24.6	-17.5	3.0	-10.7
Personal computers	-1.5	-0.4	2.3	2.5	6.9	2.8
Traditional workstations	-34.7	-10.0	-12.1	-15.5	-13.0	-12.7
Systems total	-0.5	-0.5	3.3	3.5	7.3	3.3
Storage						
Disk systems	-8.9	23.2	9.8	11.6	10.7	13.7
Tape	1.3	-7.3	2.6	5.6	4.1	1.1
Fibre Channel	43.7	65.9	33.2	30.5	31.8	39.6
Storage total	-4.4	24.0	12.2	14.1	14.0	16.0
Peripherals						
Printers	5.0	3.3	-0.2	-1.2	-2.2	-0.1
Smart handheld devices	17.6	24.0	9.9	8.1	6.1	11.8
Other add-ons	1.9	5.9	25.2	4.5	14.4	12.2
Peripherals total	5.4	5.0	3.4	0.4	0.9	2.4
Networking equipment	-0.1	5.5	8.8	10.3	8.1	8.2
Hardware total	0.0	2.7	4.8	4.9	7.2	4.9
Packaged software total	4.8	7.7	17.1	15.8	11.5	13.0
Services total	9.8	11.5	11.2	8.9	7.6	9.8
Total IT	3.9	6.4	9.1	8.2	8.2	8.0

Source: IDC, June 2002

Table 169

Proportions of IT Spending Categories in Greece, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.6	5.0	5.4	5.7	6.1	6.3
Implementation	8.9	9.5	10.0	10.2	10.5	10.6
Support services	13.7	14.3	14.8	14.8	14.3	13.8
Operations management	2.5	2.7	2.8	2.9	3.0	3.1
Training and education	1.7	1.7	1.7	1.7	1.7	1.6
Services total	31.4	33.2	34.7	35.4	35.6	35.5
Packaged software						
System infrastructure software	3.9	3.9	4.2	4.6	5.0	5.2
Appl. development and deployment	5.1	4.8	4.6	4.9	5.1	5.1
Applications	7.2	7.5	7.6	8.2	8.8	9.1
Packaged software total	16.1	16.2	16.4	17.6	18.9	19.5
Hardware						
Systems						
High-end servers	0.1	–	–	–	0.0	0.0
Midrange servers	1.2	1.4	1.4	1.5	1.5	1.5
Low-end servers	3.7	3.7	3.4	3.3	3.2	3.3
Standard Intel servers	2.7	2.8	2.5	2.7	2.8	2.9
Other low-end servers	1.0	0.9	0.8	0.6	0.4	0.4
Personal computers	30.1	28.5	26.7	25.1	23.7	23.4
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.0
Systems total	35.2	33.7	31.5	29.9	28.5	28.3
Storage						
Disk systems	3.3	2.9	3.3	3.3	3.4	3.5
Tape	0.4	0.4	0.4	0.3	0.3	0.3
Fibre Channel	0.3	0.4	0.6	0.7	0.8	1.0
Storage total	3.9	3.6	4.2	4.3	4.6	4.8
Peripherals						
Printers	5.6	5.7	5.5	5.0	4.6	4.2
Smart handheld devices	0.4	0.5	0.6	0.6	0.6	0.5
Other add-ons	0.8	0.7	0.7	0.9	0.8	0.9
Peripherals total	6.8	6.9	6.8	6.4	6.0	5.6
Networking equipment	6.6	6.4	6.3	6.3	6.4	6.4
Hardware total	52.5	50.6	48.8	46.9	45.5	45.1
Packaged software total	16.1	16.2	16.4	17.6	18.9	19.5
Services total	31.4	33.2	34.7	35.4	35.6	35.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 170
Greece Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.5	0.5	0.5	0.5	0.6	0.6
Implementation	0.5	0.5	0.5	0.5	0.5	0.5
Support services	0.7	0.7	0.7	0.7	0.7	0.6
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.5	0.5	0.5
Appl. development and deployment	0.7	0.6	0.6	0.6	0.6	0.5
Applications	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Hardware						
Systems						
High-end servers	0.0	–	–	–	0.0	0.0
Midrange servers	0.5	0.6	0.6	0.6	0.6	0.6
Low-end servers	0.7	0.7	0.7	0.7	0.7	0.7
Standard Intel servers	0.8	0.8	0.8	0.8	0.8	0.8
Other low-end servers	0.6	0.5	0.5	0.5	0.5	0.5
Personal computers	1.1	1.1	1.1	1.1	1.2	1.2
Traditional workstations	0.3	0.2	0.2	0.2	0.2	0.2
Systems total	0.9	0.9	1.0	1.0	1.0	1.0
Storage						
Disk systems	0.7	0.7	0.8	0.8	0.9	0.9
Tape	0.5	0.5	0.5	0.6	0.6	0.6
Fibre Channel	0.7	0.7	0.8	0.8	0.9	0.9
Storage total	0.7	0.7	0.8	0.8	0.8	0.9
Peripherals						
Printers	1.1	1.1	1.2	1.2	1.2	1.2
Smart handheld devices	0.5	0.5	0.6	0.6	0.6	0.6
Other add-ons	0.7	0.7	0.7	0.7	0.7	0.7
Peripherals total	1.0	1.0	1.0	1.0	1.0	1.0
Networking equipment	0.7	0.7	0.8	0.8	0.9	0.9
Hardware total	0.9	0.9	0.9	0.9	0.9	1.0
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Total IT	0.6	0.6	0.6	0.6	0.6	0.6

Source: IDC, June 2002

Table 171
Greece Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.1	0.2	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	–	–	–	0.0	0.0
Midrange servers	0.1	0.2	0.2	0.2	0.2	0.2
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.2	0.2	0.2	0.2
Other low-end servers	0.2	0.1	0.1	0.1	0.1	0.1
Personal computers	0.3	0.3	0.3	0.3	0.3	0.3
Traditional workstations	0.1	0.0	0.0	0.0	0.0	0.0
Systems total	0.2	0.3	0.3	0.2	0.2	0.3
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.2	0.2
Tape	0.2	0.2	0.1	0.1	0.1	0.1
Fibre Channel	0.2	0.2	0.2	0.2	0.3	0.3
Storage total	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.3	0.4	0.4	0.4	0.4	0.3
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.2	0.3	0.3	0.2	0.2	0.2
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 172
IT Spending in Ireland, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	81.3	90.3	100.7	113.9	129.3	140.7
Implementation	152.9	168.8	186.7	208.1	232.2	251.3
Support services	147.6	159.2	171.7	192.8	221.3	238.3
Operations management	232.0	258.6	290.8	330.8	366.7	400.5
Training and education	48.9	53.2	57.8	61.9	69.0	74.0
Services total	662.6	730.0	807.7	907.4	1,018.5	1,104.8
Packaged software						
System infrastructure software	93.9	98.8	106.7	126.4	141.9	157.2
Appl. development and deployment	88.5	93.1	98.6	116.1	130.3	144.9
Applications	178.8	188.2	197.3	227.5	255.4	284.5
Packaged software total	361.2	380.2	402.6	470.0	527.7	586.6
Hardware						
Systems						
High-end servers	13.9	13.5	9.2	9.1	9.7	10.1
Midrange servers	64.2	57.2	66.7	73.9	86.0	91.3
Low-end servers	114.9	114.8	109.7	114.5	117.9	130.1
Standard Intel servers	79.3	83.3	80.6	92.6	101.4	113.2
Other low-end servers	35.7	31.6	29.1	21.8	16.5	17.0
Personal computers	547.0	503.5	501.4	531.0	553.4	570.4
Traditional workstations	2.6	2.1	1.8	1.6	1.3	1.1
Systems total	742.6	691.1	688.9	730.1	768.3	803.0
Storage						
Disk systems	105.8	102.6	110.6	117.6	124.4	131.9
Tape	16.3	14.9	13.9	14.0	14.6	15.0
Fibre Channel	8.3	12.7	18.4	23.7	29.4	37.1
Storage total	130.3	130.1	143.0	155.3	168.3	183.9
Peripherals						
Printers	73.7	78.9	86.6	90.9	94.4	97.4
Smart handheld devices	10.1	10.3	11.4	12.3	12.9	13.2
Other add-ons	21.8	22.5	23.7	29.7	31.5	36.2
Peripherals total	105.6	111.7	121.7	132.9	138.8	146.8
Networking equipment	127.1	123.9	127.5	136.1	142.3	147.3
Hardware total	1,105.6	1,056.8	1,081.0	1,154.3	1,217.8	1,281.1
Packaged software total	361.2	380.2	402.6	470.0	527.7	586.6
Services total	662.6	730.0	807.7	907.4	1,018.5	1,104.8
Total IT	2,129.4	2,167.0	2,291.3	2,531.8	2,763.9	2,972.5

Source: IDC, June 2002

Table 173
Growth in IT Spending in Ireland, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.1	11.5	13.1	13.5	8.9	11.7
Implementation	10.4	10.6	11.5	11.6	8.2	10.5
Support services	7.8	7.9	12.3	14.8	7.7	10.6
Operations management	11.5	12.5	13.7	10.9	9.2	11.6
Training and education	8.9	8.6	7.1	11.4	7.3	8.6
Services total	10.2	10.6	12.3	12.2	8.5	10.9
Packaged software						
System infrastructure software	5.3	7.9	18.5	12.3	10.8	12.3
Appl. development and deployment	5.3	5.9	17.7	12.3	11.2	11.7
Applications	5.3	4.8	15.3	12.3	11.4	10.9
Packaged software total	5.3	5.9	16.8	12.3	11.2	11.5
Hardware						
Systems						
High-end servers	-2.3	-32.1	-0.9	6.3	4.2	-7.1
Midrange servers	-10.9	16.6	10.8	16.3	6.1	12.4
Low-end servers	-0.1	-4.4	4.3	3.0	10.3	3.2
Standard Intel servers	5.1	-3.2	14.9	9.5	11.6	8.0
Other low-end servers	-11.5	-7.7	-25.1	-24.3	2.7	-14.4
Personal computers	-7.9	-0.4	5.9	4.2	3.1	3.2
Traditional workstations	-22.4	-12.9	-12.3	-15.6	-13.1	-13.5
Systems total	-6.9	-0.3	6.0	5.2	4.5	3.8
Storage						
Disk systems	-3.0	7.8	6.3	5.8	6.0	6.5
Tape	-8.8	-6.1	0.0	4.8	2.4	0.2
Fibre Channel	53.0	45.2	29.0	23.6	26.3	30.8
Storage total	-0.2	9.9	8.6	8.4	9.3	9.0
Peripherals						
Printers	7.0	9.8	5.0	3.8	3.2	5.4
Smart handheld devices	2.8	10.1	8.0	4.9	2.5	6.3
Other add-ons	3.3	5.3	25.1	6.1	15.2	12.6
Peripherals total	5.8	8.9	9.2	4.4	5.8	7.1
Networking equipment	-2.5	2.9	6.7	4.6	3.5	4.4
Hardware total	-4.4	2.3	6.8	5.5	5.2	4.9
Packaged software total	5.3	5.9	16.8	12.3	11.2	11.5
Services total	10.2	10.6	12.3	12.2	8.5	10.9
Total IT	1.8	5.7	10.5	9.2	7.5	8.2

Source: IDC, June 2002

Table 174
Proportions of IT Spending Categories in Ireland, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.8	4.2	4.4	4.5	4.7	4.7
Implementation	7.2	7.8	8.1	8.2	8.4	8.5
Support services	6.9	7.3	7.5	7.6	8.0	8.0
Operations management	10.9	11.9	12.7	13.1	13.3	13.5
Training and education	2.3	2.5	2.5	2.4	2.5	2.5
Services total	31.1	33.7	35.3	35.8	36.8	37.2
Packaged software						
System infrastructure software	4.4	4.6	4.7	5.0	5.1	5.3
Appl. development and deployment	4.2	4.3	4.3	4.6	4.7	4.9
Applications	8.4	8.7	8.6	9.0	9.2	9.6
Packaged software total	17.0	17.5	17.6	18.6	19.1	19.7
Hardware						
Systems						
High-end servers	0.7	0.6	0.4	0.4	0.4	0.3
Midrange servers	3.0	2.6	2.9	2.9	3.1	3.1
Low-end servers	5.4	5.3	4.8	4.5	4.3	4.4
Standard Intel servers	3.7	3.8	3.5	3.7	3.7	3.8
Other low-end servers	1.7	1.5	1.3	0.9	0.6	0.6
Personal computers	25.7	23.2	21.9	21.0	20.0	19.2
Traditional workstations	0.1	0.1	0.1	0.1	0.0	0.0
Systems total	34.9	31.9	30.1	28.8	27.8	27.0
Storage						
Disk systems	5.0	4.7	4.8	4.6	4.5	4.4
Tape	0.8	0.7	0.6	0.6	0.5	0.5
Fibre Channel	0.4	0.6	0.8	0.9	1.1	1.2
Storage total	6.1	6.0	6.2	6.1	6.1	6.2
Peripherals						
Printers	3.5	3.6	3.8	3.6	3.4	3.3
Smart handheld devices	0.5	0.5	0.5	0.5	0.5	0.4
Other add-ons	1.0	1.0	1.0	1.2	1.1	1.2
Peripherals total	5.0	5.2	5.3	5.2	5.0	4.9
Networking equipment	6.0	5.7	5.6	5.4	5.1	5.0
Hardware total	51.9	48.8	47.2	45.6	44.1	43.1
Packaged software total	17.0	17.5	17.6	18.6	19.1	19.7
Services total	31.1	33.7	35.3	35.8	36.8	37.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 175

Ireland Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.5	0.5	0.5	0.5	0.6	0.6
Implementation	0.5	0.5	0.5	0.5	0.5	0.5
Support services	0.5	0.5	0.5	0.5	0.5	0.5
Operations management	0.6	0.6	0.6	0.6	0.6	0.6
Training and education	0.6	0.6	0.6	0.6	0.7	0.7
Services total	0.5	0.5	0.5	0.6	0.6	0.6
Packaged software						
System infrastructure software	0.7	0.7	0.7	0.7	0.7	0.7
Appl. development and deployment	0.7	0.7	0.7	0.7	0.7	0.7
Applications	0.7	0.7	0.7	0.7	0.7	0.7
Packaged software total	0.7	0.7	0.7	0.7	0.7	0.7
Hardware						
Systems						
High-end servers	0.5	0.4	0.3	0.3	0.3	0.4
Midrange servers	1.7	1.5	1.6	1.5	1.6	1.6
Low-end servers	1.4	1.4	1.3	1.3	1.3	1.3
Standard Intel servers	1.5	1.5	1.4	1.4	1.4	1.4
Other low-end servers	1.3	1.1	1.0	1.0	0.9	0.9
Personal computers	1.2	1.2	1.2	1.3	1.3	1.3
Traditional workstations	0.3	0.3	0.3	0.3	0.3	0.3
Systems total	1.2	1.2	1.2	1.2	1.3	1.3
Storage						
Disk systems	1.4	1.5	1.5	1.5	1.5	1.5
Tape	1.3	1.2	1.2	1.2	1.2	1.3
Fibre Channel	1.4	1.5	1.5	1.5	1.5	1.5
Storage total	1.4	1.4	1.5	1.5	1.5	1.5
Peripherals						
Printers	0.9	1.0	1.1	1.1	1.2	1.2
Smart handheld devices	0.8	0.7	0.7	0.7	0.7	0.7
Other add-ons	1.2	1.2	1.3	1.3	1.3	1.4
Peripherals total	0.9	1.0	1.0	1.1	1.1	1.2
Networking equipment	0.9	0.9	0.9	0.9	0.9	1.0
Hardware total	1.2	1.1	1.2	1.2	1.2	1.3
Packaged software total	0.7	0.7	0.7	0.7	0.7	0.7
Services total	0.5	0.5	0.5	0.6	0.6	0.6
Total IT	0.8	0.8	0.8	0.8	0.8	0.8

Source: IDC, June 2002

Table 176

Ireland Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.2	0.2	0.2	0.2	0.2	0.2
Training and education	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.5	0.4	0.5	0.5	0.5	0.5
Low-end servers	0.4	0.4	0.3	0.3	0.3	0.3
Standard Intel servers	0.4	0.4	0.4	0.4	0.4	0.4
Other low-end servers	0.4	0.3	0.3	0.2	0.2	0.2
Personal computers	0.3	0.3	0.3	0.3	0.3	0.3
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.3	0.3	0.3	0.3	0.3	0.3
Storage						
Disk systems	0.4	0.4	0.4	0.4	0.4	0.4
Tape	0.4	0.4	0.3	0.3	0.3	0.3
Fibre Channel	0.4	0.4	0.5	0.5	0.5	0.5
Storage total	0.4	0.4	0.4	0.4	0.4	0.4
Peripherals						
Printers	0.3	0.3	0.3	0.3	0.4	0.4
Smart handheld devices	0.2	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals total	0.2	0.3	0.3	0.3	0.3	0.3
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.3	0.3	0.3	0.3	0.3	0.3
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 177
IT Spending in Italy, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1,147.5	1,269.5	1,418.0	1,606.0	1,817.3	2,017.9
Implementation	2,266.0	2,513.1	2,799.4	3,148.0	3,526.9	3,862.3
Support services	2,594.4	2,822.2	3,064.7	3,423.3	3,858.6	4,208.3
Operations management	4,449.0	4,921.7	5,506.4	6,199.3	6,899.7	7,641.9
Training and education	617.3	658.9	700.0	754.0	810.7	874.8
Services total	11,074.2	12,185.3	13,488.5	15,130.6	16,913.1	18,605.3
Packaged software						
System infrastructure software	879.7	946.4	1,024.9	1,223.1	1,404.0	1,514.8
Appl. development and deployment	1,002.2	1,077.1	1,165.2	1,321.7	1,499.5	1,741.1
Applications	1,830.0	1,936.4	2,062.5	2,387.0	2,712.5	3,029.6
Packaged software total	3,712.0	3,960.0	4,252.5	4,931.9	5,615.9	6,285.5
Hardware						
Systems						
High-end servers	232.9	254.2	210.1	218.5	222.4	228.6
Midrange servers	398.4	370.4	338.4	404.2	452.3	481.6
Low-end servers	902.9	889.9	879.4	893.8	954.4	1,055.5
Standard Intel servers	637.2	619.8	656.4	745.8	825.6	925.6
Other low-end servers	265.7	270.2	223.0	148.0	128.8	129.9
Personal computers	3,959.2	4,092.2	4,180.4	4,480.6	4,803.9	5,026.3
Traditional workstations	75.3	58.1	51.2	44.7	37.6	32.7
Systems total	5,568.7	5,665.0	5,659.4	6,041.8	6,470.6	6,824.8
Storage						
Disk systems	670.3	638.1	644.6	699.8	750.9	810.5
Tape	129.4	121.2	107.3	107.1	111.5	113.7
Fibre Channel	52.5	78.9	107.3	141.4	177.3	227.9
Storage total	852.3	838.2	859.2	948.3	1,039.7	1,152.0
Peripherals						
Printers	937.8	1,012.6	1,023.6	1,007.4	995.5	971.4
Smart handheld devices	98.3	119.4	136.5	153.9	168.0	177.3
Other add-ons	167.2	176.6	193.0	237.2	259.4	300.8
Peripherals total	1,203.3	1,308.7	1,353.2	1,398.4	1,422.9	1,449.5
Networking equipment	1,373.9	1,286.1	1,373.5	1,489.5	1,597.4	1,566.9
Hardware total	8,998.1	9,097.9	9,245.2	9,878.1	10,530.6	10,993.2
Packaged software total	3,712.0	3,960.0	4,252.5	4,931.9	5,615.9	6,285.5
Services total	11,074.2	12,185.3	13,488.5	15,130.6	16,913.1	18,605.3
Total IT	23,784.3	25,243.3	26,986.2	29,940.6	33,059.7	35,884.0

Source: IDC, June 2002

Table 178
Growth in IT Spending in Italy, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	10.6	11.7	13.3	13.2	11.0	12.3
Implementation	10.9	11.4	12.5	12.0	9.5	11.3
Support services	8.8	8.6	11.7	12.7	9.1	10.5
Operations management	10.6	11.9	12.6	11.3	10.8	11.6
Training and education	6.7	6.2	7.7	7.5	7.9	7.3
Services total	10.0	10.7	12.2	11.8	10.0	11.2
Packaged software						
System infrastructure software	7.6	8.3	19.3	14.8	7.9	12.5
Appl. development and deployment	7.5	8.2	13.4	13.4	16.1	12.8
Applications	5.8	6.5	15.7	13.6	11.7	11.8
Packaged software total	6.7	7.4	16.0	13.9	11.9	12.2
Hardware						
Systems						
High-end servers	9.1	-17.3	4.0	1.8	2.8	-2.6
Midrange servers	-7.0	-8.6	19.4	11.9	6.5	6.8
Low-end servers	-1.4	-1.2	1.6	6.8	10.6	4.4
Standard Intel servers	-2.7	5.9	13.6	10.7	12.1	10.5
Other low-end servers	1.7	-17.5	-33.6	-13.0	0.8	-16.7
Personal computers	3.4	2.2	7.2	7.2	4.6	5.3
Traditional workstations	-22.7	-12.0	-12.6	-15.8	-13.0	-13.4
Systems total	1.7	-0.1	6.8	7.1	5.5	4.8
Storage						
Disk systems	-4.8	1.0	8.6	7.3	7.9	6.2
Tape	-6.3	-11.5	-0.2	4.1	2.0	-1.6
Fibre Channel	50.2	36.0	31.8	25.4	28.5	30.4
Storage total	-1.7	2.5	10.4	9.6	10.8	8.3
Peripherals						
Printers	8.0	1.1	-1.6	-1.2	-2.4	-1.0
Smart handheld devices	21.5	14.3	12.7	9.2	5.5	10.4
Other add-ons	5.6	9.3	22.9	9.4	15.9	14.2
Peripherals total	8.8	3.4	3.3	1.7	1.9	2.6
Networking equipment	-6.4	6.8	8.4	7.2	-1.9	5.1
Hardware total	1.1	1.6	6.8	6.6	4.4	4.8
Packaged software total	6.7	7.4	16.0	13.9	11.9	12.2
Services total	10.0	10.7	12.2	11.8	10.0	11.2
Total IT	6.1	6.9	10.9	10.4	8.5	9.2

Source: IDC, June 2002

Table 179
Proportions of IT Spending Categories in Italy, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.8	5.0	5.3	5.4	5.5	5.6
Implementation	9.5	10.0	10.4	10.5	10.7	10.8
Support services	10.9	11.2	11.4	11.4	11.7	11.7
Operations management	18.7	19.5	20.4	20.7	20.9	21.3
Training and education	2.6	2.6	2.6	2.5	2.5	2.4
Services total	46.6	48.3	50.0	50.5	51.2	51.8
Packaged software						
System infrastructure software	3.7	3.7	3.8	4.1	4.2	4.2
Appl. development and deployment	4.2	4.3	4.3	4.4	4.5	4.9
Applications	7.7	7.7	7.6	8.0	8.2	8.4
Packaged software total	15.6	15.7	15.8	16.5	17.0	17.5
Hardware						
Systems						
High-end servers	1.0	1.0	0.8	0.7	0.7	0.6
Midrange servers	1.7	1.5	1.3	1.3	1.4	1.3
Low-end servers	3.8	3.5	3.3	3.0	2.9	2.9
Standard Intel servers	2.7	2.5	2.4	2.5	2.5	2.6
Other low-end servers	1.1	1.1	0.8	0.5	0.4	0.4
Personal computers	16.6	16.2	15.5	15.0	14.5	14.0
Traditional workstations	0.3	0.2	0.2	0.1	0.1	0.1
Systems total	23.4	22.4	21.0	20.2	19.6	19.0
Storage						
Disk systems	2.8	2.5	2.4	2.3	2.3	2.3
Tape	0.5	0.5	0.4	0.4	0.3	0.3
Fibre Channel	0.2	0.3	0.4	0.5	0.5	0.6
Storage total	3.6	3.3	3.2	3.2	3.1	3.2
Peripherals						
Printers	3.9	4.0	3.8	3.4	3.0	2.7
Smart handheld devices	0.4	0.5	0.5	0.5	0.5	0.5
Other add-ons	0.7	0.7	0.7	0.8	0.8	0.8
Peripherals total	5.1	5.2	5.0	4.7	4.3	4.0
Networking equipment	5.8	5.1	5.1	5.0	4.8	4.4
Hardware total	37.8	36.0	34.3	33.0	31.9	30.6
Packaged software total	15.6	15.7	15.8	16.5	17.0	17.5
Services total	46.6	48.3	50.0	50.5	51.2	51.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 180
Italy Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.5	7.6	7.6	7.7	7.9	7.9
Implementation	7.9	8.0	8.0	8.1	8.2	8.1
Support services	8.1	8.1	8.1	8.3	8.6	8.7
Operations management	11.1	11.1	11.2	11.3	11.5	11.6
Training and education	7.7	7.8	7.8	7.8	7.8	7.8
Services total	8.9	9.0	9.0	9.2	9.3	9.4
Packaged software						
System infrastructure software	6.5	6.6	6.7	6.8	6.9	6.8
Appl. development and deployment	8.4	8.5	8.5	8.2	7.9	8.2
Applications	7.4	7.5	7.5	7.5	7.5	7.5
Packaged software total	7.4	7.5	7.5	7.4	7.5	7.5
Hardware						
Systems						
High-end servers	7.7	7.9	7.0	7.7	7.8	7.9
Midrange servers	10.4	9.6	8.2	8.4	8.3	8.4
Low-end servers	11.0	10.6	10.3	10.2	10.5	10.6
Standard Intel servers	11.7	11.2	11.4	11.3	11.4	11.5
Other low-end servers	9.7	9.4	8.0	6.9	6.9	6.8
Personal computers	8.8	9.7	10.2	10.7	11.3	11.7
Traditional workstations	7.6	7.3	7.3	7.2	7.2	7.2
Systems total	9.1	9.7	9.9	10.3	10.7	11.0
Storage						
Disk systems	9.0	9.3	8.9	9.1	9.2	9.3
Tape	10.2	9.8	9.1	9.3	9.4	9.5
Fibre Channel	9.0	9.3	8.9	9.1	9.2	9.3
Storage total	9.2	9.3	8.9	9.2	9.2	9.4
Peripherals						
Printers	11.7	12.4	12.5	12.3	12.2	12.1
Smart handheld devices	7.4	7.8	8.0	8.3	8.7	9.1
Other add-ons	9.2	9.7	10.3	10.4	10.9	11.2
Peripherals total	10.8	11.4	11.5	11.3	11.4	11.5
Networking equipment	9.7	9.1	9.4	9.8	10.4	10.3
Hardware total	9.4	9.8	9.9	10.2	10.6	10.8
Packaged software total	7.4	7.5	7.5	7.4	7.5	7.5
Services total	8.9	9.0	9.0	9.2	9.3	9.4
Total IT	8.8	9.0	9.0	9.1	9.3	9.3

Source: IDC, June 2002

Table 181
Italy Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.5	2.6	2.6	2.6	2.6	2.6
Implementation	2.3	2.4	2.5	2.5	2.5	2.5
Support services	2.8	2.8	2.8	2.8	2.9	2.8
Operations management	3.0	3.0	3.0	3.0	3.0	3.0
Training and education	2.3	2.3	2.2	2.2	2.1	2.0
Services total	2.7	2.7	2.7	2.8	2.8	2.8
Packaged software						
System infrastructure software	1.7	1.7	1.7	1.8	1.8	1.7
Appl. development and deployment	2.4	2.4	2.3	2.3	2.2	2.3
Applications	2.2	2.2	2.1	2.1	2.2	2.1
Packaged software total	2.1	2.1	2.0	2.1	2.1	2.1
Hardware						
Systems						
High-end servers	2.2	2.7	2.2	2.4	2.3	2.3
Midrange servers	2.9	2.8	2.3	2.6	2.6	2.6
Low-end servers	3.1	2.9	2.7	2.6	2.6	2.7
Standard Intel servers	3.2	3.0	2.9	3.0	3.0	3.1
Other low-end servers	2.7	2.7	2.1	1.5	1.3	1.3
Personal computers	2.3	2.7	2.6	2.6	2.7	2.8
Traditional workstations	1.9	1.7	1.7	1.7	1.6	1.5
Systems total	2.5	2.7	2.6	2.6	2.7	2.7
Storage						
Disk systems	2.6	2.5	2.4	2.5	2.5	2.6
Tape	3.3	3.0	2.5	2.3	2.1	2.1
Fibre Channel	2.8	2.7	2.6	2.7	2.7	2.8
Storage total	2.7	2.6	2.4	2.5	2.5	2.5
Peripherals						
Printers	3.6	4.1	4.0	3.8	3.7	3.6
Smart handheld devices	1.6	1.7	1.6	1.6	1.5	1.3
Other add-ons	1.3	1.5	1.6	1.8	1.8	2.0
Peripherals total	2.7	3.0	2.9	2.8	2.7	2.6
Networking equipment	2.4	2.3	2.2	2.1	2.1	1.9
Hardware total	2.5	2.6	2.6	2.5	2.5	2.5
Packaged software total	2.1	2.1	2.0	2.1	2.1	2.1
Services total	2.7	2.7	2.7	2.8	2.8	2.8
Total IT	2.5	2.6	2.5	2.5	2.6	2.5

Source: IDC, June 2002

Table 182
IT Spending in the Netherlands, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	781.9	852.3	952.4	1,063.0	1,164.1	1,265.2
Implementation	1,266.3	1,352.5	1,502.8	1,681.3	1,847.6	2,012.3
Support services	1,304.9	1,433.0	1,578.4	1,719.8	1,847.1	1,973.3
Operations management	2,192.3	2,634.3	3,060.2	3,477.2	3,832.9	4,196.7
Training and education	500.8	537.4	583.2	643.8	723.5	810.9
Services total	6,046.1	6,809.4	7,677.0	8,585.0	9,415.2	10,258.4
Packaged software						
System infrastructure software	872.6	876.0	937.1	1,119.1	1,289.9	1,428.3
Appl. development and deployment	950.9	997.9	1,054.2	1,228.7	1,383.6	1,544.0
Applications	1,738.0	1,822.1	1,913.2	2,220.0	2,527.8	2,810.4
Packaged software total	3,561.5	3,696.0	3,904.4	4,567.8	5,201.3	5,782.7
Hardware						
Systems						
High-end servers	88.6	106.8	102.7	95.0	92.2	93.1
Midrange servers	207.7	243.9	294.9	339.0	386.9	409.2
Low-end servers	453.3	493.1	496.4	509.3	521.0	562.6
Standard Intel servers	300.1	294.0	288.2	339.9	373.3	411.2
Other low-end servers	153.2	199.1	208.2	169.4	147.7	151.5
Personal computers	2,436.5	2,351.5	2,181.1	2,188.5	2,172.4	2,107.8
Traditional workstations	41.1	32.8	28.9	25.4	21.5	18.7
Systems total	3,227.2	3,228.1	3,104.0	3,157.2	3,193.9	3,191.4
Storage						
Disk systems	369.8	340.5	365.0	387.1	416.5	444.9
Tape	63.2	67.5	67.2	66.6	68.4	69.1
Fibre Channel	29.0	42.1	60.8	78.2	98.3	125.1
Storage total	462.0	450.1	493.0	532.0	583.3	639.1
Peripherals						
Printers	359.4	356.8	359.1	358.5	354.7	346.7
Smart handheld devices	73.9	81.6	90.9	96.6	99.1	98.9
Other add-ons	92.5	90.9	89.3	106.1	109.1	120.6
Peripherals total	525.9	529.2	539.3	561.2	562.9	566.1
Networking equipment	794.2	798.2	813.3	846.2	852.2	839.4
Hardware total	5,009.4	5,005.7	4,949.6	5,096.6	5,192.4	5,236.2
Packaged software total	3,561.5	3,696.0	3,904.4	4,567.8	5,201.3	5,782.7
Services total	6,046.1	6,809.4	7,677.0	8,585.0	9,415.2	10,258.4
Total IT	14,617.1	15,511.1	16,531.0	18,249.4	19,808.9	21,277.3

Source: IDC, June 2002

Table 183
Growth in IT Spending in the Netherlands, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	9.0	11.7	11.6	9.5	8.7	10.4
Implementation	6.8	11.1	11.9	9.9	8.9	10.4
Support services	9.8	10.1	9.0	7.4	6.8	8.3
Operations management	20.2	16.2	13.6	10.2	9.5	12.3
Training and education	7.3	8.5	10.4	12.4	12.1	10.8
Services total	12.6	12.7	11.8	9.7	9.0	10.8
Packaged software						
System infrastructure software	0.4	7.0	19.4	15.3	10.7	13.0
Appl. development and deployment	4.9	5.6	16.6	12.6	11.6	11.5
Applications	4.8	5.0	16.0	13.9	11.2	11.4
Packaged software total	3.8	5.6	17.0	13.9	11.2	11.8
Hardware						
Systems						
High-end servers	20.5	-3.8	-7.5	-3.0	1.0	-3.4
Midrange servers	17.4	20.9	15.0	14.1	5.8	13.8
Low-end servers	8.8	0.7	2.6	2.3	8.0	3.4
Standard Intel servers	-2.0	-2.0	18.0	9.8	10.2	8.7
Other low-end servers	30.0	4.6	-18.6	-12.8	2.5	-6.6
Personal computers	-3.5	-7.2	0.3	-0.7	-3.0	-2.7
Traditional workstations	-20.2	-11.9	-12.0	-15.3	-13.0	-13.1
Systems total	0.0	-3.8	1.7	1.2	-0.1	-0.3
Storage						
Disk systems	-7.9	7.2	6.1	7.6	6.8	6.9
Tape	6.8	-0.5	-0.8	2.7	1.0	0.6
Fibre Channel	45.3	44.4	28.7	25.8	27.2	31.3
Storage total	-2.6	9.5	7.9	9.7	9.6	9.2
Peripherals						
Printers	-0.7	0.6	-0.2	-1.1	-2.3	-0.7
Smart handheld devices	10.4	11.4	6.3	2.6	-0.2	4.9
Other add-ons	-1.8	-1.7	18.8	2.8	10.5	7.3
Peripherals total	0.6	1.9	4.1	0.3	0.6	1.7
Networking equipment	0.5	1.9	4.0	0.7	-1.5	1.3
Hardware total	-0.1	-1.1	3.0	1.9	0.8	1.1
Packaged software total	3.8	5.6	17.0	13.9	11.2	11.8
Services total	12.6	12.7	11.8	9.7	9.0	10.8
Total IT	6.1	6.6	10.4	8.5	7.4	8.2

Source: IDC, June 2002

Table 184
Proportions of IT Spending Categories in the Netherlands, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.3	5.5	5.8	5.8	5.9	5.9
Implementation	8.7	8.7	9.1	9.2	9.3	9.5
Support services	8.9	9.2	9.5	9.4	9.3	9.3
Operations management	15.0	17.0	18.5	19.1	19.3	19.7
Training and education	3.4	3.5	3.5	3.5	3.7	3.8
Services total	41.4	43.9	46.4	47.0	47.5	48.2
Packaged software						
System infrastructure software	6.0	5.6	5.7	6.1	6.5	6.7
Appl. development and deployment	6.5	6.4	6.4	6.7	7.0	7.3
Applications	11.9	11.7	11.6	12.2	12.8	13.2
Packaged software total	24.4	23.8	23.6	25.0	26.3	27.2
Hardware						
Systems						
High-end servers	0.6	0.7	0.6	0.5	0.5	0.4
Midrange servers	1.4	1.6	1.8	1.9	2.0	1.9
Low-end servers	3.1	3.2	3.0	2.8	2.6	2.6
Standard Intel servers	2.1	1.9	1.7	1.9	1.9	1.9
Other low-end servers	1.0	1.3	1.3	0.9	0.7	0.7
Personal computers	16.7	15.2	13.2	12.0	11.0	9.9
Traditional workstations	0.3	0.2	0.2	0.1	0.1	0.1
Systems total	22.1	20.8	18.8	17.3	16.1	15.0
Storage						
Disk systems	2.5	2.2	2.2	2.1	2.1	2.1
Tape	0.4	0.4	0.4	0.4	0.3	0.3
Fibre Channel	0.2	0.3	0.4	0.4	0.5	0.6
Storage total	3.2	2.9	3.0	2.9	2.9	3.0
Peripherals						
Printers	2.5	2.3	2.2	2.0	1.8	1.6
Smart handheld devices	0.5	0.5	0.5	0.5	0.5	0.5
Other add-ons	0.6	0.6	0.5	0.6	0.6	0.6
Peripherals total	3.6	3.4	3.3	3.1	2.8	2.7
Networking equipment	5.4	5.1	4.9	4.6	4.3	3.9
Hardware total	34.3	32.3	29.9	27.9	26.2	24.6
Packaged software total	24.4	23.8	23.6	25.0	26.3	27.2
Services total	41.4	43.9	46.4	47.0	47.5	48.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 185
Netherlands Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.1	5.1	5.1	5.1	5.0	5.0
Implementation	4.4	4.3	4.3	4.3	4.3	4.2
Support services	4.1	4.1	4.2	4.2	4.1	4.1
Operations management	5.5	5.9	6.2	6.4	6.4	6.4
Training and education	6.2	6.3	6.5	6.7	7.0	7.3
Services total	4.9	5.0	5.1	5.2	5.2	5.2
Packaged software						
System infrastructure software	6.4	6.1	6.1	6.2	6.4	6.4
Appl. development and deployment	8.0	7.9	7.7	7.6	7.3	7.3
Applications	7.1	7.1	6.9	6.9	7.0	7.0
Packaged software total	7.1	7.0	6.9	6.9	6.9	6.9
Hardware						
Systems						
High-end servers	2.9	3.3	3.4	3.3	3.2	3.2
Midrange servers	5.4	6.3	7.1	7.1	7.1	7.1
Low-end servers	5.5	5.9	5.8	5.8	5.7	5.7
Standard Intel servers	5.5	5.3	5.0	5.1	5.1	5.1
Other low-end servers	5.6	7.0	7.4	7.9	8.0	8.0
Personal computers	5.4	5.6	5.3	5.2	5.1	4.9
Traditional workstations	4.1	4.1	4.1	4.1	4.1	4.1
Systems total	5.3	5.5	5.4	5.4	5.3	5.2
Storage						
Disk systems	5.0	4.9	5.0	5.1	5.1	5.1
Tape	5.0	5.5	5.7	5.8	5.7	5.8
Fibre Channel	5.0	4.9	5.0	5.1	5.1	5.1
Storage total	5.0	5.0	5.1	5.1	5.2	5.2
Peripherals						
Printers	4.5	4.4	4.4	4.4	4.4	4.3
Smart handheld devices	5.6	5.3	5.3	5.2	5.1	5.1
Other add-ons	5.1	5.0	4.8	4.7	4.6	4.5
Peripherals total	4.7	4.6	4.6	4.6	4.5	4.5
Networking equipment	5.6	5.7	5.6	5.6	5.5	5.5
Hardware total	5.2	5.4	5.3	5.3	5.2	5.1
Packaged software total	7.1	7.0	6.9	6.9	6.9	6.9
Services total	4.9	5.0	5.1	5.2	5.2	5.2
Total IT	5.4	5.5	5.5	5.6	5.6	5.5

Source: IDC, June 2002

Table 186
Netherlands Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.7	1.7	1.7	1.7	1.7	1.6
Implementation	1.3	1.3	1.3	1.3	1.3	1.3
Support services	1.4	1.4	1.4	1.4	1.4	1.3
Operations management	1.5	1.6	1.7	1.7	1.7	1.7
Training and education	1.9	1.9	1.9	1.8	1.9	1.8
Services total	1.5	1.5	1.6	1.6	1.5	1.5
Packaged software						
System infrastructure software	1.7	1.6	1.5	1.6	1.7	1.6
Appl. development and deployment	2.3	2.2	2.1	2.1	2.1	2.1
Applications	2.1	2.0	1.9	2.0	2.0	2.0
Packaged software total	2.0	2.0	1.9	1.9	1.9	1.9
Hardware						
Systems						
High-end servers	0.8	1.1	1.1	1.0	1.0	0.9
Midrange servers	1.5	1.9	2.0	2.1	2.2	2.2
Low-end servers	1.5	1.6	1.5	1.5	1.4	1.4
Standard Intel servers	1.5	1.4	1.3	1.4	1.4	1.4
Other low-end servers	1.6	2.0	2.0	1.7	1.5	1.6
Personal computers	1.4	1.5	1.4	1.3	1.2	1.2
Traditional workstations	1.0	1.0	1.0	0.9	0.9	0.9
Systems total	1.4	1.5	1.4	1.4	1.3	1.3
Storage						
Disk systems	1.4	1.3	1.4	1.4	1.4	1.4
Tape	1.6	1.7	1.6	1.4	1.3	1.3
Fibre Channel	1.5	1.4	1.5	1.5	1.5	1.5
Storage total	1.5	1.4	1.4	1.4	1.4	1.4
Peripherals						
Printers	1.4	1.4	1.4	1.4	1.3	1.3
Smart handheld devices	1.2	1.1	1.1	1.0	0.9	0.8
Other add-ons	0.7	0.8	0.7	0.8	0.8	0.8
Peripherals total	1.2	1.2	1.2	1.1	1.1	1.0
Networking equipment	1.4	1.4	1.3	1.2	1.1	1.0
Hardware total	1.4	1.5	1.4	1.3	1.3	1.2
Packaged software total	2.0	2.0	1.9	1.9	1.9	1.9
Services total	1.5	1.5	1.6	1.6	1.5	1.5
Total IT	1.5	1.6	1.6	1.5	1.5	1.5

Source: IDC, June 2002

Table 187
IT Spending in Norway, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	348.6	392.2	438.4	485.9	535.9	587.8
Implementation	668.3	745.8	822.1	901.7	983.4	1,067.8
Support services	674.4	739.5	808.9	890.9	989.6	1,083.2
Operations management	598.3	668.7	733.4	796.6	863.2	938.5
Training and education	238.4	260.6	289.9	323.1	359.1	398.3
Services total	2,528.0	2,806.9	3,092.6	3,398.1	3,731.2	4,075.5
Packaged software						
System infrastructure software	240.0	255.1	279.5	332.5	377.7	413.4
Appl. development and deployment	217.4	231.0	248.5	296.1	336.4	378.3
Applications	448.3	476.4	507.3	584.9	664.4	733.7
Packaged software total	905.6	962.5	1,035.2	1,213.4	1,378.5	1,525.3
Hardware						
Systems						
High-end servers	27.2	30.4	32.4	31.2	31.8	33.2
Midrange servers	47.9	43.0	50.3	62.1	71.3	75.9
Low-end servers	153.3	176.9	175.5	184.7	196.7	215.7
Standard Intel servers	117.7	131.6	129.5	151.2	167.0	185.4
Other low-end servers	35.6	45.2	46.0	33.5	29.7	30.3
Personal computers	934.0	824.9	839.7	852.7	863.0	883.8
Traditional workstations	17.5	13.6	12.0	10.5	8.8	7.7
Systems total	1,179.8	1,088.8	1,109.8	1,141.2	1,171.6	1,216.3
Storage						
Disk systems	102.1	111.1	108.9	117.7	129.1	140.6
Tape	19.3	20.0	19.4	19.6	20.5	21.1
Fibre Channel	8.0	13.7	18.1	23.8	30.5	39.5
Storage total	129.4	144.8	146.4	161.1	180.1	201.2
Peripherals						
Printers	139.5	154.4	162.5	164.7	165.4	163.7
Smart handheld devices	15.8	16.8	18.1	18.9	19.3	19.1
Other add-ons	32.5	31.9	32.4	38.7	39.9	44.2
Peripherals total	187.8	203.2	213.0	222.3	224.5	227.1
Networking equipment	258.2	236.6	240.7	252.2	265.9	273.1
Hardware total	1,755.2	1,673.4	1,709.9	1,776.8	1,842.1	1,917.8
Packaged software total	905.6	962.5	1,035.2	1,213.4	1,378.5	1,525.3
Services total	2,528.0	2,806.9	3,092.6	3,398.1	3,731.2	4,075.5
Total IT	5,188.8	5,442.7	5,837.7	6,388.4	6,951.8	7,518.6

Source: IDC, June 2002

Table 188
Growth in IT Spending in Norway, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	12.5	11.8	10.8	10.3	9.7	10.6
Implementation	11.6	10.2	9.7	9.1	8.6	9.4
Support services	9.7	9.4	10.1	11.1	9.5	10.0
Operations management	11.8	9.7	8.6	8.4	8.7	8.8
Training and education	9.3	11.3	11.5	11.1	10.9	11.2
Services total	11.0	10.2	9.9	9.8	9.2	9.8
Packaged software						
System infrastructure software	6.3	9.6	19.0	13.6	9.4	12.8
Appl. development and deployment	6.3	7.6	19.2	13.6	12.5	13.1
Applications	6.3	6.5	15.3	13.6	10.4	11.4
Packaged software total	6.3	7.6	17.2	13.6	10.6	12.2
Hardware						
Systems						
High-end servers	11.9	6.4	-3.7	2.1	4.4	2.2
Midrange servers	-10.3	16.9	23.5	14.7	6.5	15.3
Low-end servers	15.4	-0.8	5.2	6.5	9.7	5.1
Standard Intel servers	11.8	-1.6	16.7	10.4	11.1	8.9
Other low-end servers	27.1	1.7	-27.2	-11.3	2.0	-9.5
Personal computers	-11.7	1.8	1.6	1.2	2.4	1.7
Traditional workstations	-22.1	-11.9	-12.4	-15.8	-13.3	-13.4
Systems total	-7.7	1.9	2.8	2.7	3.8	2.8
Storage						
Disk systems	8.8	-2.0	8.1	9.7	8.9	6.1
Tape	4.0	-3.2	1.2	4.5	2.8	1.3
Fibre Channel	71.6	32.0	31.2	28.2	29.7	30.3
Storage total	12.0	1.1	10.1	11.8	11.7	8.6
Peripherals						
Printers	10.7	5.2	1.3	0.4	-1.0	1.5
Smart handheld devices	6.6	7.5	4.6	1.7	-0.6	3.3
Other add-ons	-1.7	1.5	19.5	3.1	11.0	8.5
Peripherals total	8.2	4.8	4.4	1.0	1.1	2.8
Networking equipment	-8.4	1.7	4.8	5.4	2.7	3.7
Hardware total	-4.7	2.2	3.9	3.7	4.1	3.5
Packaged software total	6.3	7.6	17.2	13.6	10.6	12.2
Services total	11.0	10.2	9.9	9.8	9.2	9.8
Total IT	4.9	7.3	9.4	8.8	8.2	8.4

Source: IDC, June 2002

Table 189

Proportions of IT Spending Categories in Norway, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.7	7.2	7.5	7.6	7.7	7.8
Implementation	12.9	13.7	14.1	14.1	14.1	14.2
Support services	13.0	13.6	13.9	13.9	14.2	14.4
Operations management	11.5	12.3	12.6	12.5	12.4	12.5
Training and education	4.6	4.8	5.0	5.1	5.2	5.3
Services total	48.7	51.6	53.0	53.2	53.7	54.2
Packaged software						
System infrastructure software	4.6	4.7	4.8	5.2	5.4	5.5
Appl. development and deployment	4.2	4.2	4.3	4.6	4.8	5.0
Applications	8.6	8.8	8.7	9.2	9.6	9.8
Packaged software total	17.5	17.7	17.7	19.0	19.8	20.3
Hardware						
Systems						
High-end servers	0.5	0.6	0.6	0.5	0.5	0.4
Midrange servers	0.9	0.8	0.9	1.0	1.0	1.0
Low-end servers	3.0	3.2	3.0	2.9	2.8	2.9
Standard Intel servers	2.3	2.4	2.2	2.4	2.4	2.5
Other low-end servers	0.7	0.8	0.8	0.5	0.4	0.4
Personal computers	18.0	15.2	14.4	13.3	12.4	11.8
Traditional workstations	0.3	0.2	0.2	0.2	0.1	0.1
Systems total	22.7	20.0	19.0	17.9	16.9	16.2
Storage						
Disk systems	2.0	2.0	1.9	1.8	1.9	1.9
Tape	0.4	0.4	0.3	0.3	0.3	0.3
Fibre Channel	0.2	0.3	0.3	0.4	0.4	0.5
Storage total	2.5	2.7	2.5	2.5	2.6	2.7
Peripherals						
Printers	2.7	2.8	2.8	2.6	2.4	2.2
Smart handheld devices	0.3	0.3	0.3	0.3	0.3	0.3
Other add-ons	0.6	0.6	0.6	0.6	0.6	0.6
Peripherals total	3.6	3.7	3.6	3.5	3.2	3.0
Networking equipment	5.0	4.3	4.1	3.9	3.8	3.6
Hardware total	33.8	30.7	29.3	27.8	26.5	25.5
Packaged software total	17.5	17.7	17.7	19.0	19.8	20.3
Services total	48.7	51.6	53.0	53.2	53.7	54.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 190

Norway Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.3	2.3	2.4	2.3	2.3	2.3
Implementation	2.3	2.4	2.4	2.3	2.3	2.3
Support services	2.1	2.1	2.1	2.2	2.2	2.2
Operations management	1.5	1.5	1.5	1.5	1.4	1.4
Training and education	3.0	3.1	3.2	3.4	3.5	3.6
Services total	2.0	2.1	2.1	2.1	2.1	2.1
Packaged software						
System infrastructure software	1.8	1.8	1.8	1.8	1.9	1.8
Appl. development and deployment	1.8	1.8	1.8	1.8	1.8	1.8
Applications	1.8	1.8	1.8	1.8	1.8	1.8
Packaged software total	1.8	1.8	1.8	1.8	1.8	1.8
Hardware						
Systems						
High-end servers	0.9	0.9	1.1	1.1	1.1	1.2
Midrange servers	1.2	1.1	1.2	1.3	1.3	1.3
Low-end servers	1.9	2.1	2.0	2.1	2.2	2.2
Standard Intel servers	2.2	2.4	2.2	2.3	2.3	2.3
Other low-end servers	1.3	1.6	1.6	1.6	1.6	1.6
Personal computers	2.1	2.0	2.1	2.0	2.0	2.1
Traditional workstations	1.8	1.7	1.7	1.7	1.7	1.7
Systems total	1.9	1.9	1.9	1.9	1.9	2.0
Storage						
Disk systems	1.4	1.6	1.5	1.5	1.6	1.6
Tape	1.5	1.6	1.6	1.7	1.7	1.8
Fibre Channel	1.4	1.6	1.5	1.5	1.6	1.6
Storage total	1.4	1.6	1.5	1.6	1.6	1.6
Peripherals						
Printers	1.7	1.9	2.0	2.0	2.0	2.0
Smart handheld devices	1.2	1.1	1.1	1.0	1.0	1.0
Other add-ons	1.8	1.8	1.7	1.7	1.7	1.7
Peripherals total	1.7	1.8	1.8	1.8	1.8	1.8
Networking equipment	1.8	1.7	1.7	1.7	1.7	1.8
Hardware total	1.8	1.8	1.8	1.8	1.8	1.9
Packaged software total	1.8	1.8	1.8	1.8	1.8	1.8
Services total	2.0	2.1	2.1	2.1	2.1	2.1
Total IT	1.9	1.9	2.0	1.9	1.9	2.0

Source: IDC, June 2002

Table 191
Norway Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.8	0.8	0.8	0.8	0.8	0.8
Implementation	0.7	0.7	0.7	0.7	0.7	0.7
Support services	0.7	0.7	0.7	0.7	0.7	0.7
Operations management	0.4	0.4	0.4	0.4	0.4	0.4
Training and education	0.9	0.9	0.9	0.9	0.9	0.9
Services total	0.6	0.6	0.6	0.6	0.6	0.6
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.5	0.5	0.5
Appl. development and deployment	0.5	0.5	0.5	0.5	0.5	0.5
Applications	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Hardware						
Systems						
High-end servers	0.3	0.3	0.3	0.3	0.3	0.3
Midrange servers	0.3	0.3	0.3	0.4	0.4	0.4
Low-end servers	0.5	0.6	0.5	0.5	0.5	0.5
Standard Intel servers	0.6	0.6	0.6	0.6	0.6	0.6
Other low-end servers	0.4	0.4	0.4	0.3	0.3	0.3
Personal computers	0.6	0.5	0.5	0.5	0.5	0.5
Traditional workstations	0.4	0.4	0.4	0.4	0.4	0.4
Systems total	0.5	0.5	0.5	0.5	0.5	0.5
Storage						
Disk systems	0.4	0.4	0.4	0.4	0.4	0.4
Tape	0.5	0.5	0.4	0.4	0.4	0.4
Fibre Channel	0.4	0.5	0.4	0.5	0.5	0.5
Storage total	0.4	0.4	0.4	0.4	0.4	0.4
Peripherals						
Printers	0.5	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.3	0.2	0.2	0.2	0.2	0.1
Other add-ons	0.3	0.3	0.3	0.3	0.3	0.3
Peripherals total	0.4	0.5	0.5	0.4	0.4	0.4
Networking equipment	0.5	0.4	0.4	0.4	0.3	0.3
Hardware total	0.5	0.5	0.5	0.5	0.4	0.4
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Services total	0.6	0.6	0.6	0.6	0.6	0.6
Total IT	0.5	0.6	0.5	0.5	0.5	0.5

Source: IDC, June 2002

Table 192
IT Spending in Portugal, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	89.6	99.3	110.4	123.5	138.4	154.0
Implementation	158.1	174.3	192.4	213.1	236.6	261.1
Support services	165.6	179.8	196.6	215.0	234.8	256.3
Operations management	201.1	219.4	242.1	269.5	299.1	330.3
Training and education	43.0	45.4	47.8	50.3	53.4	56.3
Services total	657.4	718.2	789.3	871.3	962.3	1,058.0
Packaged software						
System infrastructure software	87.9	93.9	104.9	124.4	146.8	163.1
Appl. development and deployment	94.3	99.2	104.5	122.5	138.5	156.9
Applications	175.1	185.5	197.1	233.5	268.6	300.2
Packaged software total	357.3	378.5	406.4	480.4	553.8	620.2
Hardware						
Systems						
High-end servers	12.8	13.2	10.8	10.1	10.4	10.9
Midrange servers	44.6	36.5	33.0	38.8	44.8	47.5
Low-end servers	130.4	124.2	112.9	117.8	122.6	131.6
Standard Intel servers	95.0	93.0	87.2	98.4	106.1	114.9
Other low-end servers	35.4	31.2	25.8	19.4	16.5	16.7
Personal computers	656.6	669.9	716.8	777.8	821.5	868.4
Traditional workstations	5.9	4.2	3.7	3.2	2.6	2.2
Systems total	850.2	848.0	877.3	947.7	1,002.0	1,060.5
Storage						
Disk systems	70.1	74.4	84.6	94.0	106.2	119.1
Tape	15.8	13.9	11.8	11.8	12.2	12.4
Fibre Channel	5.5	9.2	14.1	19.0	25.1	33.5
Storage total	91.4	97.5	110.4	124.8	143.5	164.9
Peripherals						
Printers	119.2	129.3	132.6	134.3	135.3	134.7
Smart handheld devices	11.3	12.5	14.1	15.3	16.2	16.5
Other add-ons	20.6	20.7	21.3	26.0	27.1	30.6
Peripherals total	151.1	162.5	168.0	175.6	178.6	181.8
Networking equipment	160.7	163.5	159.9	169.3	176.5	175.3
Hardware total	1,253.5	1,271.4	1,315.6	1,417.5	1,500.5	1,582.6
Packaged software total	357.3	378.5	406.4	480.4	553.8	620.2
Services total	657.4	718.2	789.3	871.3	962.3	1,058.0
Total IT	2,268.2	2,368.2	2,511.3	2,769.2	3,016.6	3,260.8

Source: IDC, June 2002

Table 193
Growth in IT Spending in Portugal, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	10.9	11.1	11.9	12.1	11.2	11.6
Implementation	10.2	10.4	10.8	11.1	10.3	10.6
Support services	8.6	9.4	9.3	9.2	9.2	9.3
Operations management	9.1	10.3	11.3	11.0	10.4	10.8
Training and education	5.6	5.3	5.3	6.0	5.6	5.5
Services total	9.3	9.9	10.4	10.4	9.9	10.2
Packaged software						
System infrastructure software	6.8	11.7	18.7	18.0	11.1	14.8
Appl. development and deployment	5.1	5.3	17.3	13.0	13.3	12.2
Applications	5.9	6.3	18.4	15.0	11.8	12.8
Packaged software total	5.9	7.4	18.2	15.3	12.0	13.1
Hardware						
Systems						
High-end servers	3.5	-17.9	-6.6	2.9	4.3	-4.7
Midrange servers	-18.1	-9.6	17.7	15.3	6.1	6.8
Low-end servers	-4.7	-9.1	4.3	4.1	7.3	1.5
Standard Intel servers	-2.1	-6.3	12.9	7.8	8.3	5.4
Other low-end servers	-11.8	-17.4	-24.5	-15.1	1.0	-14.5
Personal computers	2.0	7.0	8.5	5.6	5.7	6.7
Traditional workstations	-28.4	-11.9	-14.4	-17.7	-15.4	-14.9
Systems total	-0.3	3.5	8.0	5.7	5.8	5.8
Storage						
Disk systems	6.1	13.7	11.2	13.0	12.1	12.5
Tape	-12.1	-15.4	0.0	3.3	1.6	-2.9
Fibre Channel	67.4	53.2	34.9	32.1	33.5	38.2
Storage total	6.6	13.3	13.0	15.0	14.9	14.1
Peripherals						
Printers	8.4	2.6	1.3	0.8	-0.4	1.0
Smart handheld devices	9.9	13.2	8.5	5.5	1.9	7.2
Other add-ons	0.8	2.9	21.8	4.5	12.8	10.3
Peripherals total	7.5	3.4	4.5	1.7	1.8	2.9
Networking equipment	1.7	-2.2	5.9	4.2	-0.6	1.8
Hardware total	1.4	3.5	7.7	5.9	5.5	5.6
Packaged software total	5.9	7.4	18.2	15.3	12.0	13.1
Services total	9.3	9.9	10.4	10.4	9.9	10.2
Total IT	4.4	6.0	10.3	8.9	8.1	8.3

Source: IDC, June 2002

Table 194
Proportions of IT Spending Categories in Portugal, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.0	4.2	4.4	4.5	4.6	4.7
Implementation	7.0	7.4	7.7	7.7	7.8	8.0
Support services	7.3	7.6	7.8	7.8	7.8	7.9
Operations management	8.9	9.3	9.6	9.7	9.9	10.1
Training and education	1.9	1.9	1.9	1.8	1.8	1.7
Services total	29.0	30.3	31.4	31.5	31.9	32.4
Packaged software						
System infrastructure software	3.9	4.0	4.2	4.5	4.9	5.0
Appl. development and deployment	4.2	4.2	4.2	4.4	4.6	4.8
Applications	7.7	7.8	7.8	8.4	8.9	9.2
Packaged software total	15.8	16.0	16.2	17.3	18.4	19.0
Hardware						
Systems						
High-end servers	0.6	0.6	0.4	0.4	0.3	0.3
Midrange servers	2.0	1.5	1.3	1.4	1.5	1.5
Low-end servers	5.7	5.2	4.5	4.3	4.1	4.0
Standard Intel servers	4.2	3.9	3.5	3.6	3.5	3.5
Other low-end servers	1.6	1.3	1.0	0.7	0.5	0.5
Personal computers	28.9	28.3	28.5	28.1	27.2	26.6
Traditional workstations	0.3	0.2	0.1	0.1	0.1	0.1
Systems total	37.5	35.8	34.9	34.2	33.2	32.5
Storage						
Disk systems	3.1	3.1	3.4	3.4	3.5	3.7
Tape	0.7	0.6	0.5	0.4	0.4	0.4
Fibre Channel	0.2	0.4	0.6	0.7	0.8	1.0
Storage total	4.0	4.1	4.4	4.5	4.8	5.1
Peripherals						
Printers	5.3	5.5	5.3	4.9	4.5	4.1
Smart handheld devices	0.5	0.5	0.6	0.6	0.5	0.5
Other add-ons	0.9	0.9	0.8	0.9	0.9	0.9
Peripherals total	6.7	6.9	6.7	6.3	5.9	5.6
Networking equipment	7.1	6.9	6.4	6.1	5.8	5.4
Hardware total	55.3	53.7	52.4	51.2	49.7	48.5
Packaged software total	15.8	16.0	16.2	17.3	18.4	19.0
Services total	29.0	30.3	31.4	31.5	31.9	32.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 195
Portugal Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.6	0.6	0.6	0.6
Implementation	0.5	0.6	0.6	0.6	0.6	0.6
Support services	0.5	0.5	0.5	0.5	0.5	0.5
Operations management	0.5	0.5	0.5	0.5	0.5	0.5
Training and education	0.5	0.5	0.5	0.5	0.5	0.5
Services total	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software						
System infrastructure software	0.6	0.7	0.7	0.7	0.7	0.7
Appl. development and deployment	0.8	0.8	0.8	0.8	0.7	0.7
Applications	0.7	0.7	0.7	0.7	0.7	0.7
Packaged software total	0.7	0.7	0.7	0.7	0.7	0.7
Hardware						
Systems						
High-end servers	0.4	0.4	0.4	0.4	0.4	0.4
Midrange servers	1.2	0.9	0.8	0.8	0.8	0.8
Low-end servers	1.6	1.5	1.3	1.3	1.3	1.3
Standard Intel servers	1.7	1.7	1.5	1.5	1.5	1.4
Other low-end servers	1.3	1.1	0.9	0.9	0.9	0.9
Personal computers	1.5	1.6	1.8	1.9	1.9	2.0
Traditional workstations	0.6	0.5	0.5	0.5	0.5	0.5
Systems total	1.4	1.4	1.5	1.6	1.7	1.7
Storage						
Disk systems	0.9	1.1	1.2	1.2	1.3	1.4
Tape	1.2	1.1	1.0	1.0	1.0	1.0
Fibre Channel	0.9	1.1	1.2	1.2	1.3	1.4
Storage total	1.0	1.1	1.1	1.2	1.3	1.3
Peripherals						
Printers	1.5	1.6	1.6	1.6	1.7	1.7
Smart handheld devices	0.9	0.8	0.8	0.8	0.8	0.8
Other add-ons	1.1	1.1	1.1	1.1	1.1	1.1
Peripherals total	1.4	1.4	1.4	1.4	1.4	1.4
Networking equipment	1.1	1.2	1.1	1.1	1.1	1.1
Hardware total	1.3	1.4	1.4	1.5	1.5	1.6
Packaged software total	0.7	0.7	0.7	0.7	0.7	0.7
Services total	0.5	0.5	0.5	0.5	0.5	0.5
Total IT	0.8	0.8	0.8	0.8	0.8	0.8

Source: IDC, June 2002

Table 196
Portugal Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.2	0.2	0.2	0.1	0.1	0.1
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.3	0.3	0.2	0.2	0.3	0.3
Low-end servers	0.4	0.4	0.3	0.3	0.3	0.3
Standard Intel servers	0.5	0.4	0.4	0.4	0.4	0.4
Other low-end servers	0.4	0.3	0.2	0.2	0.2	0.2
Personal computers	0.4	0.4	0.5	0.5	0.5	0.5
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.4	0.4	0.4	0.4	0.4	0.4
Storage						
Disk systems	0.3	0.3	0.3	0.3	0.4	0.4
Tape	0.4	0.3	0.3	0.3	0.2	0.2
Fibre Channel	0.3	0.3	0.3	0.4	0.4	0.4
Storage total	0.3	0.3	0.3	0.3	0.3	0.4
Peripherals						
Printers	0.5	0.5	0.5	0.5	0.5	0.5
Smart handheld devices	0.2	0.2	0.2	0.2	0.1	0.1
Other add-ons	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals total	0.3	0.4	0.4	0.4	0.3	0.3
Networking equipment	0.3	0.3	0.3	0.2	0.2	0.2
Hardware total	0.3	0.4	0.4	0.4	0.4	0.4
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 197
IT Spending in Spain, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	555.8	616.9	694.3	786.9	893.2	1,009.3
Implementation	1,021.7	1,112.6	1,232.6	1,373.0	1,546.4	1,735.3
Support services	1,071.1	1,177.7	1,295.7	1,436.9	1,585.2	1,729.1
Operations management	1,331.2	1,439.8	1,575.5	1,744.4	1,927.8	2,122.5
Training and education	286.5	310.1	334.9	363.0	392.0	423.2
Services total	4,266.3	4,657.0	5,133.1	5,704.1	6,344.4	7,019.3
Packaged software						
System infrastructure software	487.6	525.5	572.7	666.2	761.4	869.4
Appl. development and deployment	419.0	457.1	493.0	590.3	677.8	777.1
Applications	899.3	970.9	1,032.2	1,192.9	1,349.9	1,538.2
Packaged software total	1,805.8	1,953.6	2,097.9	2,449.4	2,789.1	3,184.7
Hardware						
Systems						
High-end servers	57.4	72.3	69.7	68.4	69.7	72.3
Midrange servers	204.1	223.1	245.7	291.0	326.2	346.4
Low-end servers	394.9	421.2	414.6	413.6	429.9	467.7
Standard Intel servers	243.3	255.3	246.1	293.0	324.5	359.8
Other low-end servers	151.6	165.9	168.5	120.6	105.3	107.9
Personal computers	2,192.9	2,052.6	2,118.3	2,264.8	2,458.8	2,562.3
Traditional workstations	18.0	13.4	11.8	10.1	8.3	7.1
Systems total	2,867.3	2,782.7	2,860.1	3,047.9	3,292.9	3,455.7
Storage						
Disk systems	323.4	287.8	299.9	311.4	329.2	344.9
Tape	55.4	57.4	54.8	54.6	56.5	57.4
Fibre Channel	25.3	35.6	49.9	62.9	77.7	97.0
Storage total	404.1	380.8	404.6	428.9	463.4	499.2
Peripherals						
Printers	467.8	524.7	551.1	555.0	549.6	537.5
Smart handheld devices	67.5	87.1	105.7	121.1	134.0	142.4
Other add-ons	80.6	81.6	85.5	107.6	112.0	128.1
Peripherals total	615.9	693.4	742.3	783.6	795.5	808.0
Networking equipment	747.2	775.8	835.6	926.4	946.6	961.0
Hardware total	4,634.5	4,632.6	4,842.6	5,186.8	5,498.4	5,724.0
Packaged software total	1,805.8	1,953.6	2,097.9	2,449.4	2,789.1	3,184.7
Services total	4,266.3	4,657.0	5,133.1	5,704.1	6,344.4	7,019.3
Total IT	10,706.7	11,243.2	12,073.6	13,340.4	14,631.9	15,927.9

Source: IDC, June 2002

Table 198
Growth in IT Spending in Spain, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.0	12.5	13.3	13.5	13.0	13.1
Implementation	8.9	10.8	11.4	12.6	12.2	11.8
Support services	9.9	10.0	10.9	10.3	9.1	10.1
Operations management	8.2	9.4	10.7	10.5	10.1	10.2
Training and education	8.2	8.0	8.4	8.0	8.0	8.1
Services total	9.2	10.2	11.1	11.2	10.6	10.8
Packaged software						
System infrastructure software	7.8	9.0	16.3	14.3	14.2	13.4
Appl. development and deployment	9.1	7.8	19.7	14.8	14.7	14.2
Applications	8.0	6.3	15.6	13.2	13.9	12.2
Packaged software total	8.2	7.4	16.8	13.9	14.2	13.0
Hardware						
Systems						
High-end servers	26.0	-3.6	-1.7	1.8	3.7	0.0
Midrange servers	9.3	10.1	18.4	12.1	6.2	11.6
Low-end servers	6.7	-1.6	-0.2	3.9	8.8	2.7
Standard Intel servers	4.9	-3.6	19.0	10.8	10.9	9.0
Other low-end servers	9.4	1.5	-28.4	-12.6	2.5	-10.2
Personal computers	-6.4	3.2	6.9	8.6	4.2	5.7
Traditional workstations	-25.8	-11.9	-14.0	-17.8	-15.0	-14.7
Systems total	-3.0	2.8	6.6	8.0	4.9	5.6
Storage						
Disk systems	-11.0	4.2	3.9	5.7	4.8	4.6
Tape	3.6	-4.4	-0.4	3.5	1.5	0.0
Fibre Channel	40.5	40.3	26.0	23.5	24.8	28.5
Storage total	-5.8	6.3	6.0	8.0	7.7	7.0
Peripherals						
Printers	12.2	5.0	0.7	-1.0	-2.2	0.6
Smart handheld devices	29.0	21.4	14.6	10.6	6.2	13.1
Other add-ons	1.2	4.8	25.8	4.1	14.5	12.0
Peripherals total	12.6	7.1	5.6	1.5	1.6	3.9
Networking equipment	3.8	7.7	10.9	2.2	1.5	5.5
Hardware total	0.0	4.5	7.1	6.0	4.1	5.4
Packaged software total	8.2	7.4	16.8	13.9	14.2	13.0
Services total	9.2	10.2	11.1	11.2	10.6	10.8
Total IT	5.0	7.4	10.5	9.7	8.9	9.1

Source: IDC, June 2002

Table 199

Proportions of IT Spending Categories in Spain, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.2	5.5	5.8	5.9	6.1	6.3
Implementation	9.5	9.9	10.2	10.3	10.6	10.9
Support services	10.0	10.5	10.7	10.8	10.8	10.9
Operations management	12.4	12.8	13.0	13.1	13.2	13.3
Training and education	2.7	2.8	2.8	2.7	2.7	2.7
Services total	39.8	41.4	42.5	42.8	43.4	44.1
Packaged software						
System infrastructure software	4.6	4.7	4.7	5.0	5.2	5.5
Appl. development and deployment	3.9	4.1	4.1	4.4	4.6	4.9
Applications	8.4	8.6	8.5	8.9	9.2	9.7
Packaged software total	16.9	17.4	17.4	18.4	19.1	20.0
Hardware						
Systems						
High-end servers	0.5	0.6	0.6	0.5	0.5	0.5
Midrange servers	1.9	2.0	2.0	2.2	2.2	2.2
Low-end servers	3.7	3.7	3.4	3.1	2.9	2.9
Standard Intel servers	2.3	2.3	2.0	2.2	2.2	2.3
Other low-end servers	1.4	1.5	1.4	0.9	0.7	0.7
Personal computers	20.5	18.3	17.5	17.0	16.8	16.1
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.0
Systems total	26.8	24.7	23.7	22.8	22.5	21.7
Storage						
Disk systems	3.0	2.6	2.5	2.3	2.2	2.2
Tape	0.5	0.5	0.5	0.4	0.4	0.4
Fibre Channel	0.2	0.3	0.4	0.5	0.5	0.6
Storage total	3.8	3.4	3.4	3.2	3.2	3.1
Peripherals						
Printers	4.4	4.7	4.6	4.2	3.8	3.4
Smart handheld devices	0.6	0.8	0.9	0.9	0.9	0.9
Other add-ons	0.8	0.7	0.7	0.8	0.8	0.8
Peripherals total	5.8	6.2	6.1	5.9	5.4	5.1
Networking equipment	7.0	6.9	6.9	6.9	6.5	6.0
Hardware total	43.3	41.2	40.1	38.9	37.6	35.9
Packaged software total	16.9	17.4	17.4	18.4	19.1	20.0
Services total	39.8	41.4	42.5	42.8	43.4	44.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 200

Spain Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.6	3.7	3.7	3.8	3.9	4.0
Implementation	3.6	3.5	3.5	3.5	3.6	3.7
Support services	3.3	3.4	3.4	3.5	3.5	3.6
Operations management	3.3	3.2	3.2	3.2	3.2	3.2
Training and education	3.6	3.7	3.7	3.8	3.8	3.8
Services total	3.4	3.4	3.4	3.5	3.5	3.5
Packaged software						
System infrastructure software	3.6	3.7	3.7	3.7	3.8	3.9
Appl. development and deployment	3.5	3.6	3.6	3.6	3.6	3.7
Applications	3.7	3.8	3.7	3.7	3.7	3.8
Packaged software total	3.6	3.7	3.7	3.7	3.7	3.8
Hardware						
Systems						
High-end servers	1.9	2.3	2.3	2.4	2.4	2.5
Midrange servers	5.3	5.8	5.9	6.1	6.0	6.0
Low-end servers	4.8	5.0	4.8	4.7	4.7	4.7
Standard Intel servers	4.5	4.6	4.3	4.4	4.5	4.5
Other low-end servers	5.5	5.8	6.0	5.6	5.7	5.7
Personal computers	4.9	4.9	5.2	5.4	5.8	6.0
Traditional workstations	1.8	1.7	1.7	1.6	1.6	1.5
Systems total	4.7	4.8	5.0	5.2	5.4	5.6
Storage						
Disk systems	4.4	4.2	4.1	4.1	4.0	4.0
Tape	4.4	4.6	4.6	4.7	4.7	4.8
Fibre Channel	4.4	4.2	4.1	4.1	4.0	4.0
Storage total	4.4	4.2	4.2	4.1	4.1	4.1
Peripherals						
Printers	5.8	6.4	6.7	6.8	6.7	6.7
Smart handheld devices	5.1	5.7	6.2	6.6	7.0	7.3
Other add-ons	4.4	4.5	4.6	4.7	4.7	4.8
Peripherals total	5.5	6.0	6.3	6.4	6.4	6.4
Networking equipment	5.3	5.5	5.7	6.1	6.2	6.3
Hardware total	4.8	5.0	5.2	5.4	5.5	5.6
Packaged software total	3.6	3.7	3.7	3.7	3.7	3.8
Services total	3.4	3.4	3.4	3.5	3.5	3.5
Total IT	4.0	4.0	4.0	4.1	4.1	4.1

Source: IDC, June 2002

Table 201

Spain Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.2	1.2	1.3	1.3	1.3	1.3
Implementation	1.1	1.1	1.1	1.1	1.1	1.1
Support services	1.1	1.2	1.2	1.2	1.2	1.2
Operations management	0.9	0.9	0.9	0.8	0.8	0.8
Training and education	1.1	1.1	1.1	1.0	1.0	1.0
Services total	1.0	1.0	1.0	1.0	1.0	1.0
Packaged software						
System infrastructure software	1.0	1.0	0.9	1.0	1.0	1.0
Appl. development and deployment	1.0	1.0	1.0	1.0	1.0	1.0
Applications	1.1	1.1	1.1	1.1	1.1	1.1
Packaged software total	1.0	1.0	1.0	1.0	1.0	1.0
Hardware						
Systems						
High-end servers	0.5	0.8	0.7	0.7	0.7	0.7
Midrange servers	1.5	1.7	1.7	1.8	1.9	1.9
Low-end servers	1.3	1.4	1.3	1.2	1.2	1.2
Standard Intel servers	1.2	1.2	1.1	1.2	1.2	1.2
Other low-end servers	1.6	1.6	1.6	1.2	1.1	1.1
Personal computers	1.3	1.3	1.3	1.3	1.4	1.4
Traditional workstations	0.5	0.4	0.4	0.4	0.3	0.3
Systems total	1.3	1.3	1.3	1.3	1.4	1.4
Storage						
Disk systems	1.3	1.1	1.1	1.1	1.1	1.1
Tape	1.4	1.4	1.3	1.2	1.1	1.0
Fibre Channel	1.3	1.2	1.2	1.2	1.2	1.2
Storage total	1.3	1.2	1.1	1.1	1.1	1.1
Peripherals						
Printers	1.8	2.1	2.2	2.1	2.0	2.0
Smart handheld devices	1.1	1.2	1.2	1.2	1.2	1.1
Other add-ons	0.6	0.7	0.7	0.8	0.8	0.8
Peripherals total	1.4	1.6	1.6	1.6	1.5	1.5
Networking equipment	1.3	1.4	1.3	1.3	1.2	1.1
Hardware total	1.3	1.3	1.3	1.3	1.3	1.3
Packaged software total	1.0	1.0	1.0	1.0	1.0	1.0
Services total	1.0	1.0	1.0	1.0	1.0	1.0
Total IT	1.1	1.1	1.1	1.1	1.1	1.1

Source: IDC, June 2002

Table 202
IT Spending in Sweden, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	752.8	858.3	986.4	1,111.6	1,251.2	1,389.1
Implementation	1,554.2	1,761.0	1,970.6	2,192.1	2,448.5	2,700.9
Support services	1,377.0	1,507.5	1,653.0	1,818.3	2,011.6	2,184.1
Operations management	1,185.1	1,335.3	1,491.4	1,634.9	1,788.4	1,946.3
Training and education	416.4	463.5	520.2	579.1	647.6	717.3
Services total	5,285.5	5,925.6	6,621.7	7,336.0	8,147.2	8,937.7
Packaged software						
System infrastructure software	438.0	507.6	568.8	656.4	750.3	821.7
Appl. development and deployment	451.0	485.5	514.9	602.6	691.7	781.4
Applications	967.0	1,013.2	1,070.8	1,190.4	1,347.1	1,497.7
Packaged software total	1,856.0	2,006.4	2,154.6	2,449.4	2,789.1	3,100.8
Hardware						
Systems						
High-end servers	22.3	31.9	32.4	30.0	29.6	30.8
Midrange servers	117.2	149.4	171.1	188.9	219.0	232.0
Low-end servers	305.5	342.8	340.1	357.6	368.8	401.4
Standard Intel servers	205.7	221.4	215.1	258.8	286.0	316.9
Other low-end servers	99.7	121.5	125.0	98.8	82.8	84.5
Personal computers	1,811.3	1,835.1	1,784.5	1,795.4	1,779.7	1,785.0
Traditional workstations	79.8	62.0	56.0	49.4	42.2	36.9
Systems total	2,336.1	2,421.2	2,384.0	2,421.3	2,439.3	2,486.1
Storage						
Disk systems	269.5	227.5	265.5	284.6	308.9	333.2
Tape	37.5	41.9	40.8	40.7	42.3	43.0
Fibre Channel	21.1	28.1	44.2	57.5	72.9	93.7
Storage total	328.1	297.6	350.5	382.8	424.1	469.8
Peripherals						
Printers	219.6	236.6	255.3	268.6	280.3	289.2
Smart handheld devices	48.2	56.5	61.7	64.8	66.1	65.2
Other add-ons	74.8	75.7	75.6	89.1	95.0	106.5
Peripherals total	342.6	368.8	392.6	422.6	441.4	461.0
Networking equipment	603.6	601.0	592.0	597.2	611.3	604.9
Hardware total	3,610.4	3,688.6	3,719.1	3,823.9	3,916.1	4,021.8
Packaged software total	1,856.0	2,006.4	2,154.6	2,449.4	2,789.1	3,100.8
Services total	5,285.5	5,925.6	6,621.7	7,336.0	8,147.2	8,937.7
Total IT	10,751.9	11,620.6	12,495.3	13,609.3	14,852.4	16,060.4

Source: IDC, June 2002

Table 203
Growth in IT Spending in Sweden, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	14.0	14.9	12.7	12.6	11.0	12.8
Implementation	13.3	11.9	11.2	11.7	10.3	11.3
Support services	9.5	9.7	10.0	10.6	8.6	9.7
Operations management	12.7	11.7	9.6	9.4	8.8	9.9
Training and education	11.3	12.3	11.3	11.8	10.8	11.5
Services total	12.1	11.7	10.8	11.1	9.7	10.8
Packaged software						
System infrastructure software	15.9	12.1	15.4	14.3	9.5	12.8
Appl. development and deployment	7.7	6.1	17.0	14.8	13.0	12.6
Applications	4.8	5.7	11.2	13.2	11.2	10.3
Packaged software total	8.1	7.4	13.7	13.9	11.2	11.5
Hardware						
Systems						
High-end servers	43.0	1.5	-7.3	-1.4	4.2	-0.8
Midrange servers	27.5	14.5	10.4	16.0	5.9	11.6
Low-end servers	12.2	-0.8	5.2	3.1	8.8	4.0
Standard Intel servers	7.6	-2.8	20.3	10.5	10.8	9.4
Other low-end servers	21.8	2.9	-20.9	-16.2	2.1	-8.7
Personal computers	1.3	-2.8	0.6	-0.9	0.3	-0.7
Traditional workstations	-22.3	-9.7	-11.8	-14.5	-12.6	-12.2
Systems total	3.6	-1.5	1.6	0.7	1.9	0.7
Storage						
Disk systems	-15.6	16.7	7.2	8.5	7.9	10.0
Tape	11.8	-2.6	-0.3	3.8	1.7	0.6
Fibre Channel	33.2	57.1	30.1	26.9	28.5	35.1
Storage total	-9.3	17.8	9.2	10.8	10.8	12.1
Peripherals						
Printers	7.7	7.9	5.2	4.4	3.2	5.1
Smart handheld devices	17.4	9.1	5.1	2.0	-1.3	3.6
Other add-ons	1.2	-0.1	17.9	6.6	12.1	8.9
Peripherals total	7.7	6.4	7.6	4.5	4.4	5.7
Networking equipment	-0.4	-1.5	0.9	2.4	-1.1	0.2
Hardware total	2.2	0.8	2.8	2.4	2.7	2.2
Packaged software total	8.1	7.4	13.7	13.9	11.2	11.5
Services total	12.1	11.7	10.8	11.1	9.7	10.8
Total IT	8.1	7.5	8.9	9.1	8.1	8.4

Source: IDC, June 2002

Table 204
Proportions of IT Spending Categories in Sweden, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.0	7.4	7.9	8.2	8.4	8.6
Implementation	14.5	15.2	15.8	16.1	16.5	16.8
Support services	12.8	13.0	13.2	13.4	13.5	13.6
Operations management	11.0	11.5	11.9	12.0	12.0	12.1
Training and education	3.9	4.0	4.2	4.3	4.4	4.5
Services total	49.2	51.0	53.0	53.9	54.9	55.7
Packaged software						
System infrastructure software	4.1	4.4	4.6	4.8	5.1	5.1
Appl. development and deployment	4.2	4.2	4.1	4.4	4.7	4.9
Applications	9.0	8.7	8.6	8.7	9.1	9.3
Packaged software total	17.3	17.3	17.2	18.0	18.8	19.3
Hardware						
Systems						
High-end servers	0.2	0.3	0.3	0.2	0.2	0.2
Midrange servers	1.1	1.3	1.4	1.4	1.5	1.4
Low-end servers	2.8	3.0	2.7	2.6	2.5	2.5
Standard Intel servers	1.9	1.9	1.7	1.9	1.9	2.0
Other low-end servers	0.9	1.0	1.0	0.7	0.6	0.5
Personal computers	16.8	15.8	14.3	13.2	12.0	11.1
Traditional workstations	0.7	0.5	0.4	0.4	0.3	0.2
Systems total	21.7	20.8	19.1	17.8	16.4	15.5
Storage						
Disk systems	2.5	2.0	2.1	2.1	2.1	2.1
Tape	0.3	0.4	0.3	0.3	0.3	0.3
Fibre Channel	0.2	0.2	0.4	0.4	0.5	0.6
Storage total	3.1	2.6	2.8	2.8	2.9	2.9
Peripherals						
Printers	2.0	2.0	2.0	2.0	1.9	1.8
Smart handheld devices	0.4	0.5	0.5	0.5	0.4	0.4
Other add-ons	0.7	0.7	0.6	0.7	0.6	0.7
Peripherals total	3.2	3.2	3.1	3.1	3.0	2.9
Networking equipment	5.6	5.2	4.7	4.4	4.1	3.8
Hardware total	33.6	31.7	29.8	28.1	26.4	25.0
Packaged software total	17.3	17.3	17.2	18.0	18.8	19.3
Services total	49.2	51.0	53.0	53.9	54.9	55.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 205
Sweden Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.9	5.1	5.3	5.4	5.4	5.4
Implementation	5.4	5.6	5.7	5.7	5.7	5.7
Support services	4.3	4.3	4.4	4.4	4.5	4.5
Operations management	3.0	3.0	3.0	3.0	3.0	3.0
Training and education	5.2	5.5	5.8	6.0	6.2	6.4
Services total	4.3	4.4	4.4	4.5	4.5	4.5
Packaged software						
System infrastructure software	3.2	3.6	3.7	3.6	3.7	3.7
Appl. development and deployment	3.8	3.8	3.7	3.7	3.6	3.7
Applications	3.9	3.9	3.9	3.7	3.7	3.7
Packaged software total	3.7	3.8	3.8	3.7	3.7	3.7
Hardware						
Systems						
High-end servers	0.7	1.0	1.1	1.1	1.0	1.1
Midrange servers	3.1	3.9	4.1	3.9	4.0	4.0
Low-end servers	3.7	4.1	4.0	4.1	4.0	4.0
Standard Intel servers	3.8	4.0	3.7	3.9	3.9	3.9
Other low-end servers	3.6	4.2	4.5	4.6	4.5	4.5
Personal computers	4.0	4.3	4.4	4.3	4.2	4.2
Traditional workstations	8.0	7.8	8.0	8.0	8.1	8.1
Systems total	3.8	4.1	4.2	4.1	4.0	4.0
Storage						
Disk systems	3.6	3.3	3.7	3.7	3.8	3.8
Tape	3.0	3.4	3.5	3.5	3.5	3.6
Fibre Channel	3.6	3.3	3.7	3.7	3.8	3.8
Storage total	3.5	3.3	3.6	3.7	3.8	3.8
Peripherals						
Printers	2.7	2.9	3.1	3.3	3.4	3.6
Smart handheld devices	3.6	3.7	3.6	3.5	3.4	3.3
Other add-ons	4.1	4.2	4.0	3.9	4.0	4.0
Peripherals total	3.1	3.2	3.3	3.4	3.5	3.6
Networking equipment	4.3	4.3	4.1	3.9	4.0	4.0
Hardware total	3.8	4.0	4.0	4.0	3.9	3.9
Packaged software total	3.7	3.8	3.8	3.7	3.7	3.7
Services total	4.3	4.4	4.4	4.5	4.5	4.5
Total IT	4.0	4.1	4.2	4.2	4.2	4.2

Source: IDC, June 2002

Table 206
Sweden Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.7	1.7	1.8	1.8	1.8	1.8
Implementation	1.6	1.7	1.7	1.7	1.7	1.7
Support services	1.5	1.5	1.5	1.5	1.5	1.5
Operations management	0.8	0.8	0.8	0.8	0.8	0.8
Training and education	1.6	1.6	1.7	1.7	1.7	1.6
Services total	1.3	1.3	1.3	1.3	1.3	1.3
Packaged software						
System infrastructure software	0.9	0.9	0.9	0.9	1.0	0.9
Appl. development and deployment	1.1	1.1	1.0	1.0	1.0	1.0
Applications	1.2	1.1	1.1	1.1	1.1	1.1
Packaged software total	1.1	1.1	1.0	1.0	1.0	1.0
Hardware						
Systems						
High-end servers	0.2	0.3	0.3	0.3	0.3	0.3
Midrange servers	0.9	1.1	1.2	1.2	1.3	1.2
Low-end servers	1.0	1.1	1.0	1.0	1.0	1.0
Standard Intel servers	1.0	1.1	1.0	1.0	1.1	1.1
Other low-end servers	1.0	1.2	1.2	1.0	0.8	0.9
Personal computers	1.1	1.2	1.1	1.1	1.0	1.0
Traditional workstations	2.0	1.9	1.9	1.8	1.8	1.7
Systems total	1.0	1.1	1.1	1.0	1.0	1.0
Storage						
Disk systems	1.0	0.9	1.0	1.0	1.0	1.1
Tape	0.9	1.0	0.9	0.9	0.8	0.8
Fibre Channel	1.1	1.0	1.1	1.1	1.1	1.2
Storage total	1.0	0.9	1.0	1.0	1.0	1.0
Peripherals						
Printers	0.9	0.9	1.0	1.0	1.0	1.1
Smart handheld devices	0.8	0.8	0.7	0.7	0.6	0.5
Other add-ons	0.6	0.7	0.6	0.7	0.7	0.7
Peripherals total	0.8	0.8	0.9	0.9	0.8	0.8
Networking equipment	1.1	1.1	1.0	0.9	0.8	0.7
Hardware total	1.0	1.1	1.0	1.0	0.9	0.9
Packaged software total	1.1	1.1	1.0	1.0	1.0	1.0
Services total	1.3	1.3	1.3	1.3	1.3	1.3
Total IT	1.1	1.2	1.2	1.2	1.1	1.1

Source: IDC, June 2002

Table 207
IT Spending in Switzerland, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	582.5	632.8	689.0	756.7	828.6	898.8
Implementation	989.7	1,062.3	1,141.0	1,232.9	1,334.1	1,436.3
Support services	1,092.7	1,159.4	1,215.7	1,284.8	1,372.8	1,454.5
Operations management	1,598.9	1,716.2	1,856.9	2,030.0	2,181.8	2,327.2
Training and education	281.5	296.7	311.8	329.7	355.0	384.2
Services total	4,545.3	4,867.4	5,214.4	5,634.1	6,072.2	6,500.9
Packaged software						
System infrastructure software	543.9	570.4	601.5	703.4	795.2	866.2
Appl. development and deployment	414.7	469.5	530.7	609.1	699.4	773.9
Applications	997.7	1,019.3	1,079.1	1,236.1	1,407.6	1,544.6
Packaged software total	1,956.3	2,059.2	2,211.3	2,548.7	2,902.2	3,184.7
Hardware						
Systems						
High-end servers	94.1	174.6	137.2	91.1	89.6	91.8
Midrange servers	221.7	285.3	301.2	360.9	404.9	429.8
Low-end servers	362.8	394.4	397.4	400.5	411.7	446.4
Standard Intel servers	217.4	256.1	259.6	296.1	321.8	354.4
Other low-end servers	145.5	138.3	137.8	104.4	89.9	92.0
Personal computers	1,733.7	1,482.5	1,427.7	1,439.8	1,425.2	1,393.1
Traditional workstations	69.8	45.3	39.6	35.0	28.1	23.9
Systems total	2,482.2	2,382.1	2,303.1	2,327.4	2,359.5	2,385.0
Storage						
Disk systems	337.9	300.3	302.7	314.4	327.4	340.5
Tape	57.2	68.4	62.8	60.2	62.0	61.6
Fibre Channel	26.5	37.1	50.4	63.5	77.3	95.8
Storage total	421.6	405.8	415.8	438.1	466.7	497.9
Peripherals						
Printers	267.4	295.8	300.0	303.9	304.5	300.2
Smart handheld devices	65.9	79.3	88.9	95.0	97.5	96.3
Other add-ons	76.6	74.3	75.9	93.3	94.6	105.6
Peripherals total	410.0	449.3	464.7	492.2	496.6	502.0
Networking equipment	656.7	633.9	622.9	622.0	602.0	594.6
Hardware total	3,970.4	3,871.2	3,806.6	3,879.7	3,924.9	3,979.6
Packaged software total	1,956.3	2,059.2	2,211.3	2,548.7	2,902.2	3,184.7
Services total	4,545.3	4,867.4	5,214.4	5,634.1	6,072.2	6,500.9
Total IT	10,472.1	10,797.8	11,232.3	12,062.6	12,899.3	13,665.1

Source: IDC, June 2002

Table 208
Growth in IT Spending in Switzerland, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	8.6	8.9	9.8	9.5	8.5	9.2
Implementation	7.3	7.4	8.1	8.2	7.7	7.8
Support services	6.1	4.9	5.7	6.8	6.0	5.8
Operations management	7.3	8.2	9.3	7.5	6.7	7.9
Training and education	5.4	5.1	5.8	7.7	8.2	6.7
Services total	7.1	7.1	8.1	7.8	7.1	7.5
Packaged software						
System infrastructure software	4.9	5.4	17.0	13.0	8.9	11.0
Appl. development and deployment	13.2	13.0	14.8	14.8	10.6	13.3
Applications	2.2	5.9	14.5	13.9	9.7	10.9
Packaged software total	5.3	7.4	15.3	13.9	9.7	11.5
Hardware						
Systems						
High-end servers	85.6	-21.4	-33.6	-1.7	2.4	-14.9
Midrange servers	28.7	5.6	19.8	12.2	6.1	10.8
Low-end servers	8.7	0.8	0.8	2.8	8.4	3.1
Standard Intel servers	17.8	1.4	14.1	8.7	10.1	8.5
Other low-end servers	-4.9	-0.4	-24.2	-13.9	2.4	-9.7
Personal computers	-14.5	-3.7	0.8	-1.0	-2.3	-1.5
Traditional workstations	-35.1	-12.6	-11.6	-19.6	-14.9	-14.8
Systems total	-4.0	-3.3	1.1	1.4	1.1	0.0
Storage						
Disk systems	-11.1	0.8	3.9	4.1	4.0	3.2
Tape	19.4	-8.2	-4.1	3.0	-0.6	-2.6
Fibre Channel	40.2	35.7	26.1	21.7	23.9	26.7
Storage total	-3.7	2.5	5.4	6.5	6.7	5.2
Peripherals						
Printers	10.6	1.4	1.3	0.2	-1.4	0.4
Smart handheld devices	20.3	12.1	6.9	2.6	-1.3	5.0
Other add-ons	-3.1	2.1	23.0	1.4	11.7	9.2
Peripherals total	9.6	3.4	5.9	0.9	1.1	2.8
Networking equipment	-3.5	-1.7	-0.1	-3.2	-1.2	-1.6
Hardware total	-2.5	-1.7	1.9	1.2	1.4	0.7
Packaged software total	5.3	7.4	15.3	13.9	9.7	11.5
Services total	7.1	7.1	8.1	7.8	7.1	7.5
Total IT	3.1	4.0	7.4	6.9	5.9	6.1

Source: IDC, June 2002

Table 209
Proportions of IT Spending Categories in Switzerland, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.6	5.9	6.1	6.3	6.4	6.6
Implementation	9.5	9.8	10.2	10.2	10.3	10.5
Support services	10.4	10.7	10.8	10.7	10.6	10.6
Operations management	15.3	15.9	16.5	16.8	16.9	17.0
Training and education	2.7	2.7	2.8	2.7	2.8	2.8
Services total	43.4	45.1	46.4	46.7	47.1	47.6
Packaged software						
System infrastructure software	5.2	5.3	5.4	5.8	6.2	6.3
Appl. development and deployment	4.0	4.3	4.7	5.0	5.4	5.7
Applications	9.5	9.4	9.6	10.2	10.9	11.3
Packaged software total	18.7	19.1	19.7	21.1	22.5	23.3
Hardware						
Systems						
High-end servers	0.9	1.6	1.2	0.8	0.7	0.7
Midrange servers	2.1	2.6	2.7	3.0	3.1	3.1
Low-end servers	3.5	3.7	3.5	3.3	3.2	3.3
Standard Intel servers	2.1	2.4	2.3	2.5	2.5	2.6
Other low-end servers	1.4	1.3	1.2	0.9	0.7	0.7
Personal computers	16.6	13.7	12.7	11.9	11.0	10.2
Traditional workstations	0.7	0.4	0.4	0.3	0.2	0.2
Systems total	23.7	22.1	20.5	19.3	18.3	17.5
Storage						
Disk systems	3.2	2.8	2.7	2.6	2.5	2.5
Tape	0.5	0.6	0.6	0.5	0.5	0.5
Fibre Channel	0.3	0.3	0.4	0.5	0.6	0.7
Storage total	4.0	3.8	3.7	3.6	3.6	3.6
Peripherals						
Printers	2.6	2.7	2.7	2.5	2.4	2.2
Smart handheld devices	0.6	0.7	0.8	0.8	0.8	0.7
Other add-ons	0.7	0.7	0.7	0.8	0.7	0.8
Peripherals total	3.9	4.2	4.1	4.1	3.8	3.7
Networking equipment	6.3	5.9	5.5	5.2	4.7	4.4
Hardware total	37.9	35.9	33.9	32.2	30.4	29.1
Packaged software total	18.7	19.1	19.7	21.1	22.5	23.3
Services total	43.4	45.1	46.4	46.7	47.1	47.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 210
Switzerland Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.8	3.8	3.7	3.7	3.6	3.5
Implementation	3.4	3.4	3.3	3.2	3.1	3.0
Support services	3.4	3.3	3.2	3.1	3.0	3.0
Operations management	4.0	3.9	3.8	3.7	3.6	3.5
Training and education	3.5	3.5	3.5	3.4	3.4	3.4
Services total	3.7	3.6	3.5	3.4	3.3	3.3
Packaged software						
System infrastructure software	4.0	4.0	3.9	3.9	3.9	3.9
Appl. development and deployment	3.5	3.7	3.9	3.8	3.7	3.6
Applications	4.1	3.9	3.9	3.9	3.9	3.8
Packaged software total	3.9	3.9	3.9	3.8	3.9	3.8
Hardware						
Systems						
High-end servers	3.1	5.4	4.6	3.2	3.1	3.2
Midrange servers	5.8	7.4	7.3	7.5	7.5	7.5
Low-end servers	4.4	4.7	4.6	4.6	4.5	4.5
Standard Intel servers	4.0	4.6	4.5	4.5	4.4	4.4
Other low-end servers	5.3	4.8	4.9	4.9	4.8	4.9
Personal computers	3.8	3.5	3.5	3.4	3.3	3.3
Traditional workstations	7.0	5.7	5.7	5.7	5.4	5.3
Systems total	4.1	4.1	4.0	4.0	3.9	3.9
Storage						
Disk systems	4.5	4.4	4.2	4.1	4.0	3.9
Tape	4.5	5.5	5.3	5.2	5.2	5.2
Fibre Channel	4.5	4.4	4.2	4.1	4.0	3.9
Storage total	4.5	4.5	4.3	4.2	4.1	4.0
Peripherals						
Printers	3.3	3.6	3.7	3.7	3.7	3.7
Smart handheld devices	4.9	5.2	5.2	5.1	5.1	4.9
Other add-ons	4.2	4.1	4.1	4.1	4.0	3.9
Peripherals total	3.7	3.9	3.9	4.0	4.0	4.0
Networking equipment	4.6	4.5	4.3	4.1	3.9	3.9
Hardware total	4.1	4.2	4.1	4.0	3.9	3.9
Packaged software total	3.9	3.9	3.9	3.8	3.9	3.8
Services total	3.7	3.6	3.5	3.4	3.3	3.3
Total IT	3.9	3.8	3.8	3.7	3.6	3.6

Source: IDC, June 2002

Table 211
Switzerland Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.3	1.3	1.3	1.2	1.2	1.2
Implementation	1.0	1.0	1.0	1.0	0.9	0.9
Support services	1.2	1.1	1.1	1.1	1.0	1.0
Operations management	1.1	1.0	1.0	1.0	1.0	0.9
Training and education	1.1	1.0	1.0	0.9	0.9	0.9
Services total	1.1	1.1	1.1	1.0	1.0	1.0
Packaged software						
System infrastructure software	1.1	1.0	1.0	1.0	1.0	1.0
Appl. development and deployment	1.0	1.0	1.1	1.1	1.0	1.0
Applications	1.2	1.1	1.1	1.1	1.1	1.1
Packaged software total	1.1	1.1	1.1	1.1	1.1	1.0
Hardware						
Systems						
High-end servers	0.9	1.8	1.5	1.0	0.9	0.9
Midrange servers	1.6	2.2	2.1	2.3	2.3	2.3
Low-end servers	1.2	1.3	1.2	1.2	1.1	1.1
Standard Intel servers	1.1	1.2	1.2	1.2	1.2	1.2
Other low-end servers	1.5	1.4	1.3	1.0	0.9	0.9
Personal computers	1.0	1.0	0.9	0.8	0.8	0.8
Traditional workstations	1.8	1.4	1.3	1.3	1.2	1.1
Systems total	1.1	1.1	1.1	1.0	1.0	1.0
Storage						
Disk systems	1.3	1.2	1.1	1.1	1.1	1.1
Tape	1.4	1.7	1.4	1.3	1.2	1.1
Fibre Channel	1.4	1.3	1.2	1.2	1.2	1.2
Storage total	1.3	1.3	1.2	1.1	1.1	1.1
Peripherals						
Printers	1.0	1.2	1.2	1.2	1.1	1.1
Smart handheld devices	1.1	1.1	1.1	1.0	0.8	0.7
Other add-ons	0.6	0.6	0.6	0.7	0.7	0.7
Peripherals total	0.9	1.0	1.0	1.0	0.9	0.9
Networking equipment	1.2	1.1	1.0	0.9	0.8	0.7
Hardware total	1.1	1.1	1.1	1.0	0.9	0.9
Packaged software total	1.1	1.1	1.1	1.1	1.1	1.0
Services total	1.1	1.1	1.1	1.0	1.0	1.0
Total IT	1.1	1.1	1.1	1.0	1.0	1.0

Source: IDC, June 2002

Table 212
IT Spending in the United Kingdom, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3,386.8	3,717.6	4,098.2	4,563.3	5,067.7	5,596.5
Implementation	6,175.6	6,783.6	7,464.2	8,277.5	9,172.5	10,090.0
Support services	7,543.0	8,296.6	9,031.0	9,867.2	10,909.8	11,756.9
Operations management	8,964.1	9,910.7	11,032.3	12,390.7	13,668.6	14,954.1
Training and education	1,353.4	1,408.1	1,479.0	1,563.9	1,685.2	1,805.4
Services total	27,422.9	30,116.6	33,104.6	36,662.6	40,503.8	44,202.9
Packaged software						
System infrastructure software	2,871.3	3,105.0	3,362.1	3,965.6	4,555.6	5,049.1
Appl. development and deployment	2,600.4	2,726.9	2,978.9	3,460.9	3,979.9	4,429.4
Applications	5,320.0	5,625.7	6,019.6	6,993.8	7,910.5	8,749.4
Packaged software total	10,791.7	11,457.6	12,360.6	14,420.3	16,446.0	18,228.0
Hardware						
Systems						
High-end servers	483.6	477.5	430.1	406.4	415.7	426.1
Midrange servers	632.7	558.6	616.9	725.2	817.9	869.4
Low-end servers	1,491.5	1,614.1	1,729.3	1,748.3	1,703.1	1,849.7
Standard Intel servers	1,029.7	1,162.7	1,273.6	1,420.8	1,419.6	1,561.3
Other low-end servers	461.8	451.4	455.7	327.5	283.5	288.4
Personal computers	9,562.2	8,999.1	8,518.5	8,772.6	8,855.7	8,756.7
Traditional workstations	166.1	137.0	119.8	105.5	89.9	78.9
Systems total	12,336.1	11,786.2	11,414.6	11,758.0	11,882.4	11,980.8
Storage						
Disk systems	1,518.3	1,155.9	1,407.6	1,538.2	1,649.0	1,784.8
Tape	220.0	212.1	208.6	203.4	201.0	197.3
Fibre Channel	118.9	142.9	234.3	310.7	389.3	501.9
Storage total	1,857.2	1,510.9	1,850.5	2,052.3	2,239.3	2,484.0
Peripherals						
Printers	1,414.5	1,371.5	1,389.8	1,395.9	1,390.2	1,376.5
Smart handheld devices	349.1	386.4	414.6	432.7	440.6	436.7
Other add-ons	357.1	358.8	370.4	454.6	473.4	535.2
Peripherals total	2,120.7	2,116.8	2,174.8	2,283.3	2,304.1	2,348.4
Networking equipment	2,776.6	2,896.4	2,975.6	3,040.0	3,139.8	3,136.1
Hardware total	19,090.7	18,310.3	18,415.5	19,133.6	19,565.7	19,949.2
Packaged software total	10,791.7	11,457.6	12,360.6	14,420.3	16,446.0	18,228.0
Services total	27,422.9	30,116.6	33,104.6	36,662.6	40,503.8	44,202.9
Total IT	57,305.3	59,884.6	63,880.7	70,216.5	76,515.6	82,380.1

Source: IDC, June 2002

Table 213
Growth in IT Spending in the United Kingdom, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	9.8	10.2	11.3	11.1	10.4	10.8
Implementation	9.8	10.0	10.9	10.8	10.0	10.4
Support services	10.0	8.9	9.3	10.6	7.8	9.1
Operations management	10.6	11.3	12.3	10.3	9.4	10.8
Training and education	4.0	5.0	5.7	7.8	7.1	6.4
Services total	9.8	9.9	10.7	10.5	9.1	10.1
Packaged software						
System infrastructure software	8.1	8.3	17.9	14.9	10.8	12.9
Appl. development and deployment	4.9	9.2	16.2	15.0	11.3	12.9
Applications	5.7	7.0	16.2	13.1	10.6	11.7
Packaged software total	6.2	7.9	16.7	14.0	10.8	12.3
Hardware						
Systems						
High-end servers	-1.2	-9.9	-5.5	2.3	2.5	-2.8
Midrange servers	-11.7	10.4	17.5	12.8	6.3	11.7
Low-end servers	8.2	7.1	1.1	-2.6	8.6	3.5
Standard Intel servers	12.9	9.5	11.6	-0.1	10.0	7.6
Other low-end servers	-2.3	1.0	-28.1	-13.4	1.7	-10.6
Personal computers	-5.9	-5.3	3.0	0.9	-1.1	-0.7
Traditional workstations	-17.5	-12.6	-11.9	-14.8	-12.3	-12.9
Systems total	-4.5	-3.2	3.0	1.1	0.8	0.4
Storage						
Disk systems	-23.9	21.8	9.3	7.2	8.2	11.5
Tape	-3.6	-1.7	-2.5	-1.2	-1.8	-1.8
Fibre Channel	20.1	64.0	32.6	25.3	28.9	36.9
Storage total	-18.6	22.5	10.9	9.1	10.9	13.2
Peripherals						
Printers	-3.0	1.3	0.4	-0.4	-1.0	0.1
Smart handheld devices	10.7	7.3	4.4	1.8	-0.9	3.1
Other add-ons	0.5	3.2	22.8	4.1	13.1	10.5
Peripherals total	-0.2	2.7	5.0	0.9	1.9	2.6
Networking equipment	4.3	2.7	2.2	3.3	-0.1	2.0
Hardware total	-4.1	0.6	3.9	2.3	2.0	2.2
Packaged software total	6.2	7.9	16.7	14.0	10.8	12.3
Services total	9.8	9.9	10.7	10.5	9.1	10.1
Total IT	4.5	6.7	9.9	9.0	7.7	8.3

Source: IDC, June 2002

Table 214

Proportions of IT Spending Categories in the United Kingdom, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.9	6.2	6.4	6.5	6.6	6.8
Implementation	10.8	11.3	11.7	11.8	12.0	12.2
Support services	13.2	13.9	14.1	14.1	14.3	14.3
Operations management	15.6	16.5	17.3	17.6	17.9	18.2
Training and education	2.4	2.4	2.3	2.2	2.2	2.2
Services total	47.9	50.3	51.8	52.2	52.9	53.7
Packaged software						
System infrastructure software	5.0	5.2	5.3	5.6	6.0	6.1
Appl. development and deployment	4.5	4.6	4.7	4.9	5.2	5.4
Applications	9.3	9.4	9.4	10.0	10.3	10.6
Packaged software total	18.8	19.1	19.3	20.5	21.5	22.1
Hardware						
Systems						
High-end servers	0.8	0.8	0.7	0.6	0.5	0.5
Midrange servers	1.1	0.9	1.0	1.0	1.1	1.1
Low-end servers	2.6	2.7	2.7	2.5	2.2	2.2
Standard Intel servers	1.8	1.9	2.0	2.0	1.9	1.9
Other low-end servers	0.8	0.8	0.7	0.5	0.4	0.4
Personal computers	16.7	15.0	13.3	12.5	11.6	10.6
Traditional workstations	0.3	0.2	0.2	0.2	0.1	0.1
Systems total	21.5	19.7	17.9	16.7	15.5	14.5
Storage						
Disk systems	2.6	1.9	2.2	2.2	2.2	2.2
Tape	0.4	0.4	0.3	0.3	0.3	0.2
Fibre Channel	0.2	0.2	0.4	0.4	0.5	0.6
Storage total	3.2	2.5	2.9	2.9	2.9	3.0
Peripherals						
Printers	2.5	2.3	2.2	2.0	1.8	1.7
Smart handheld devices	0.6	0.6	0.6	0.6	0.6	0.5
Other add-ons	0.6	0.6	0.6	0.6	0.6	0.6
Peripherals total	3.7	3.5	3.4	3.3	3.0	2.9
Networking equipment	4.8	4.8	4.7	4.3	4.1	3.8
Hardware total	33.3	30.6	28.8	27.2	25.6	24.2
Packaged software total	18.8	19.1	19.3	20.5	21.5	22.1
Services total	47.9	50.3	51.8	52.2	52.9	53.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 215
United Kingdom Proportions of the IT Spending in Western Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	22.2	22.1	22.0	22.0	22.0	21.9
Implementation	21.5	21.5	21.4	21.4	21.3	21.3
Support services	23.6	23.9	24.0	24.0	24.2	24.2
Operations management	22.4	22.4	22.5	22.7	22.7	22.7
Training and education	16.8	16.6	16.4	16.3	16.3	16.2
Services total	22.1	22.2	22.2	22.3	22.3	22.3
Packaged software						
System infrastructure software	21.1	21.7	21.8	22.0	22.5	22.6
Appl. development and deployment	21.8	21.5	21.6	21.4	21.0	20.8
Applications	21.7	21.8	21.8	21.8	21.9	21.7
Packaged software total	21.5	21.7	21.8	21.8	21.8	21.7
Hardware						
Systems						
High-end servers	16.1	14.9	14.3	14.3	14.6	14.8
Midrange servers	16.5	14.5	14.9	15.1	15.1	15.1
Low-end servers	18.2	19.2	20.2	20.0	18.7	18.6
Standard Intel servers	18.9	21.0	22.1	21.5	19.5	19.5
Other low-end servers	16.8	15.8	16.3	15.3	15.3	15.2
Personal computers	21.2	21.3	20.9	21.0	20.8	20.5
Traditional workstations	16.7	17.2	17.1	17.1	17.2	17.3
Systems total	20.2	20.1	20.0	20.0	19.6	19.4
Storage						
Disk systems	20.4	16.8	19.4	20.1	20.2	20.6
Tape	17.3	17.2	17.7	17.6	16.9	16.5
Fibre Channel	20.4	16.8	19.4	20.1	20.2	20.6
Storage total	20.0	16.8	19.1	19.8	19.8	20.2
Peripherals						
Printers	17.6	16.9	16.9	17.0	17.1	17.2
Smart handheld devices	26.2	25.2	24.3	23.4	22.9	22.4
Other add-ons	19.7	19.8	19.8	19.9	19.9	20.0
Peripherals total	19.0	18.4	18.4	18.5	18.5	18.6
Networking equipment	19.6	20.5	20.5	20.0	20.4	20.5
Hardware total	19.9	19.7	19.8	19.8	19.6	19.6
Packaged software total	21.5	21.7	21.8	21.8	21.8	21.7
Services total	22.1	22.2	22.2	22.3	22.3	22.3
Total IT	21.2	21.3	21.4	21.4	21.5	21.4

Source: IDC, June 2002

Table 216
United Kingdom Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.4	7.5	7.5	7.5	7.4	7.2
Implementation	6.4	6.5	6.5	6.5	6.5	6.5
Support services	8.0	8.2	8.2	8.1	8.1	7.9
Operations management	6.0	6.0	6.0	6.0	6.0	6.0
Training and education	5.1	4.9	4.7	4.5	4.3	4.1
Services total	6.7	6.7	6.7	6.7	6.6	6.5
Packaged software						
System infrastructure software	5.7	5.7	5.5	5.7	5.8	5.8
Appl. development and deployment	6.2	6.0	5.9	6.0	6.0	5.9
Applications	6.5	6.3	6.1	6.3	6.3	6.2
Packaged software total	6.2	6.1	5.9	6.0	6.1	6.0
Hardware						
Systems						
High-end servers	4.6	5.0	4.6	4.4	4.3	4.3
Midrange servers	4.6	4.3	4.3	4.6	4.7	4.7
Low-end servers	5.1	5.2	5.3	5.0	4.6	4.7
Standard Intel servers	5.2	5.6	5.7	5.7	5.2	5.3
Other low-end servers	4.8	4.4	4.3	3.3	2.9	3.0
Personal computers	5.7	5.8	5.4	5.2	5.0	4.8
Traditional workstations	4.2	4.1	4.0	3.9	3.8	3.7
Systems total	5.4	5.6	5.2	5.1	4.9	4.8
Storage						
Disk systems	5.9	4.5	5.3	5.4	5.4	5.6
Tape	5.6	5.2	4.8	4.3	3.8	3.6
Fibre Channel	6.3	4.9	5.7	6.0	6.0	6.2
Storage total	5.9	4.7	5.3	5.4	5.3	5.5
Peripherals						
Printers	5.5	5.5	5.5	5.3	5.2	5.0
Smart handheld devices	5.6	5.4	4.9	4.4	3.8	3.3
Other add-ons	2.9	3.1	3.0	3.4	3.3	3.5
Peripherals total	4.8	4.8	4.7	4.6	4.4	4.2
Networking equipment	4.9	5.1	4.8	4.4	4.1	3.7
Hardware total	5.3	5.3	5.1	4.9	4.7	4.6
Packaged software total	6.2	6.1	5.9	6.0	6.1	6.0
Services total	6.7	6.7	6.7	6.7	6.6	6.5
Total IT	6.1	6.1	6.0	6.0	5.9	5.8

Source: IDC, June 2002

Asia/Pacific

IT spending in Asia/Pacific will increase by just 4.1% this year, following soft market conditions that persisted through most of 2001. The overall regional picture is heavily influenced by Japan, however, where IT spending is inhibited by the ongoing economic recession. In other countries throughout the region, prospects for the second half of this year are more positive.

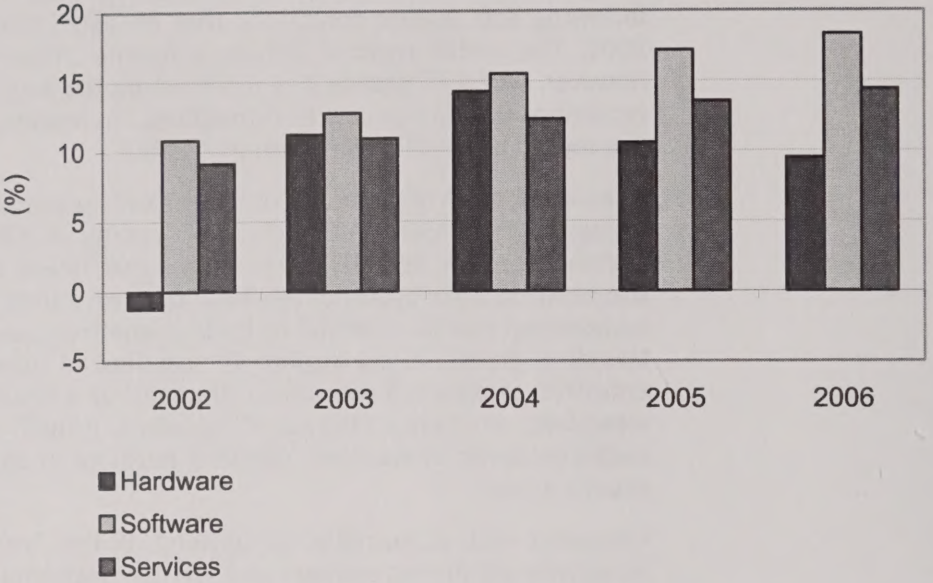
As expected, much of the focus is on China's bustling economy and hugely untapped IT market. Although experiencing a slowdown in IT spending growth in 2001, the country nevertheless still represents the most dynamic opportunities for long-term expansion. Similarly, unexploited market potential in India is another catalyst driving IT spending growth in the region. IT spending in export-led ASEAN countries appears to have suffered the most as a result of the global slowdown. In these countries, IT spending growth rates are now regaining some momentum following negative or slow growth the previous year.

Countries such as Australia, Hong Kong, Korea, New Zealand, and Singapore are driving software and services spending in the region, as IT environments in these countries are more developed. New investments focus on software and services to build value in IT infrastructure and optimize integration with business processes. Growth in software and services spending in these countries is expected to maintain double-digit growth throughout the forecast period and far outpace the hardware sectors.

Figures 10–12 show worldwide IT spending from 2000 to 2006.

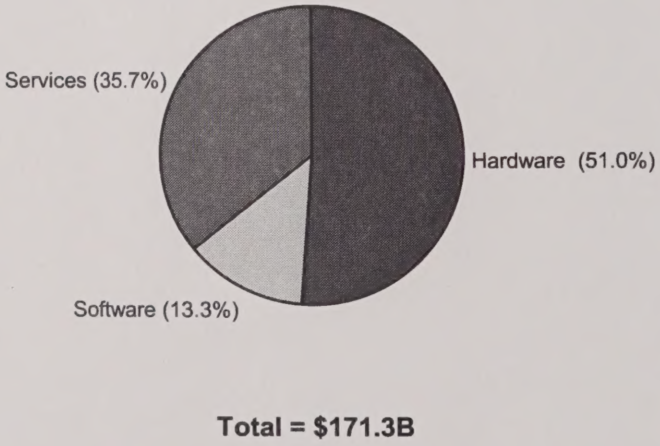
Tables 217–295 show forecasts for Asia/Pacific IT spending from 2001 to 2006.

Figure 10
Asia/Pacific IT Spending Growth by Segment, 2002–2006



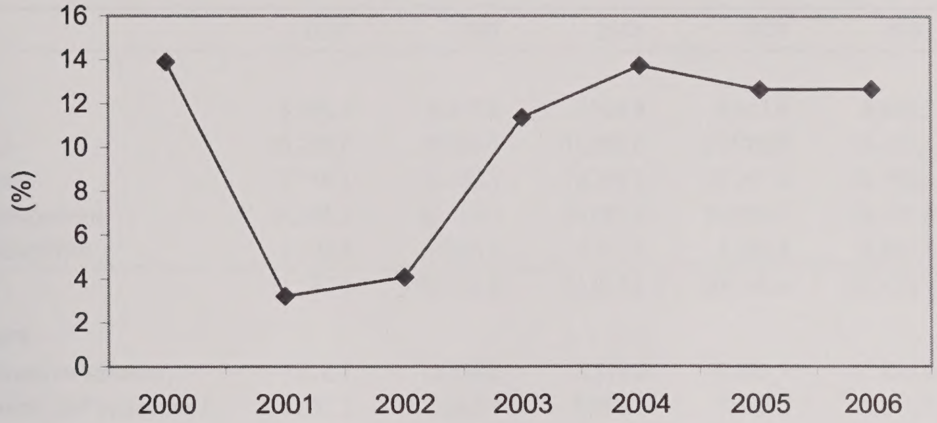
Source: IDC, June 2002

Figure 11
Asia/Pacific IT Spending Proportions by Segment, 2001



Source: IDC, June 2002

Figure 12
Asia/Pacific IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 217
IT Spending in Asia/Pacific, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5,655.1	6,312.0	7,238.8	8,483.6	9,998.7	12,086.3
Implementation	15,290.2	16,663.3	18,383.0	20,728.9	23,417.3	27,194.4
Support services	12,018.1	12,539.2	13,305.1	14,361.8	15,759.5	17,999.6
Operations management	24,468.1	27,168.0	30,593.3	34,503.8	39,701.6	44,418.6
Training and education	3,705.9	4,050.5	4,517.3	5,066.8	5,542.9	6,330.4
Services total	61,137.4	66,732.9	74,037.6	83,144.9	94,420.1	108,029.2
Packaged software						
System infrastructure software	7,515.7	8,299.2	9,349.9	10,723.1	12,438.9	14,632.4
Appl. development and deployment	5,437.2	5,959.1	6,688.1	7,692.9	9,018.1	10,503.3
Applications	9,849.2	11,017.9	12,461.4	14,511.2	17,129.9	20,519.4
Packaged software total	22,802.1	25,276.2	28,499.4	32,927.3	38,586.9	45,655.1
Hardware						
Systems						
High-end servers	2,653.7	2,109.3	1,954.8	1,871.5	1,858.5	1,827.1
Midrange servers	3,721.1	4,096.3	4,408.2	4,756.6	5,182.2	5,417.2
Low-end servers	7,397.5	7,643.4	8,394.5	9,362.3	10,222.7	10,939.2
Standard Intel servers	4,716.2	4,899.7	5,501.0	6,245.0	6,881.9	7,497.3
Other low-end servers	2,681.2	2,743.7	2,893.5	3,117.3	3,340.7	3,442.0
Personal computers	42,808.8	38,974.7	43,300.5	50,466.3	55,331.1	60,214.1
Traditional workstations	771.4	678.8	604.7	540.8	481.7	430.1
Systems total	57,352.4	53,502.5	58,662.7	66,997.6	73,076.2	78,827.7
Storage						
Disk systems	6,046.5	6,236.0	6,508.0	6,935.0	7,371.0	7,623.7
Tape	215.1	235.0	268.5	308.9	365.8	391.3
Fibre Channel	408.1	633.6	882.8	1,140.2	1,427.8	1,785.5
Storage total	6,669.7	7,104.6	7,659.3	8,384.2	9,164.6	9,800.5
Peripherals						
Printers	5,930.9	6,117.1	6,486.0	6,768.6	6,981.8	7,207.5
Smart handheld devices	1,116.4	1,365.1	1,925.2	2,724.4	3,751.6	4,875.0
Other add-ons	3,947.5	3,625.6	3,946.7	4,487.4	4,880.7	5,254.2
Peripherals total	10,994.8	11,107.8	12,358.0	13,980.4	15,614.2	17,336.7
Networking equipment	12,374.6	14,583.0	17,313.4	20,335.6	23,436.9	26,846.2
Hardware total	87,391.5	86,297.8	95,993.4	109,697.7	121,291.9	132,811.1
Packaged software total	22,802.1	25,276.2	28,499.4	32,927.3	38,586.9	45,655.1
Services total	61,137.4	66,732.9	74,037.6	83,144.9	94,420.1	108,029.2
Total IT	171,330.9	178,306.9	198,530.4	225,769.8	254,298.9	286,495.4

Source: IDC, June 2002

Table 218
Growth in IT Spending in Asia/Pacific, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.6	14.7	17.2	17.9	20.9	17.6
Implementation	9.0	10.3	12.8	13.0	16.1	13.0
Support services	4.3	6.1	7.9	9.7	14.2	9.5
Operations management	11.0	12.6	12.8	15.1	11.9	13.1
Training and education	9.3	11.5	12.2	9.4	14.2	11.8
Services total	9.2	10.9	12.3	13.6	14.4	12.8
Packaged software						
System infrastructure software	10.4	12.7	14.7	16.0	17.6	15.2
Appl. development and deployment	9.6	12.2	15.0	17.2	16.5	15.2
Applications	11.9	13.1	16.4	18.0	19.8	16.8
Packaged software total	10.9	12.8	15.5	17.2	18.3	15.9
Hardware						
Systems						
High-end servers	-20.5	-7.3	-4.3	-0.7	-1.7	-3.5
Midrange servers	10.1	7.6	7.9	8.9	4.5	7.2
Low-end servers	3.3	9.8	11.5	9.2	7.0	9.4
Standard Intel servers	3.9	12.3	13.5	10.2	8.9	11.2
Other low-end servers	2.3	5.5	7.7	7.2	3.0	5.8
Personal computers	-9.0	11.1	16.5	9.6	8.8	11.5
Traditional workstations	-12.0	-10.9	-10.6	-10.9	-10.7	-10.8
Systems total	-6.7	9.6	14.2	9.1	7.9	10.2
Storage						
Disk systems	3.1	4.4	6.6	6.3	3.4	5.2
Tape	9.2	14.2	15.1	18.4	7.0	13.6
Fibre Channel	55.3	39.3	29.2	25.2	25.1	29.6
Storage total	6.5	7.8	9.5	9.3	6.9	8.4
Peripherals						
Printers	3.1	6.0	4.4	3.2	3.2	4.2
Smart handheld devices	22.3	41.0	41.5	37.7	29.9	37.5
Other add-ons	-8.2	8.9	13.7	8.8	7.7	9.7
Peripherals total	1.0	11.3	13.1	11.7	11.0	11.8
Networking equipment	17.8	18.7	17.5	15.3	14.5	16.5
Hardware total	-1.3	11.2	14.3	10.6	9.5	11.4
Packaged software total	10.9	12.8	15.5	17.2	18.3	15.9
Services total	9.2	10.9	12.3	13.6	14.4	12.8
Total IT	4.1	11.3	13.7	12.6	12.7	12.6

Source: IDC, June 2002

Table 219
Proportions of IT Spending Categories in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.3	3.5	3.6	3.8	3.9	4.2
Implementation	8.9	9.3	9.3	9.2	9.2	9.5
Support services	7.0	7.0	6.7	6.4	6.2	6.3
Operations management	14.3	15.2	15.4	15.3	15.6	15.5
Training and education	2.2	2.3	2.3	2.2	2.2	2.2
Services total	35.7	37.4	37.3	36.8	37.1	37.7
Packaged software						
System infrastructure software	4.4	4.7	4.7	4.7	4.9	5.1
Appl. development and deployment	3.2	3.3	3.4	3.4	3.5	3.7
Applications	5.7	6.2	6.3	6.4	6.7	7.2
Packaged software total	13.3	14.2	14.4	14.6	15.2	15.9
Hardware						
Systems						
High-end servers	1.5	1.2	1.0	0.8	0.7	0.6
Midrange servers	2.2	2.3	2.2	2.1	2.0	1.9
Low-end servers	4.3	4.3	4.2	4.1	4.0	3.8
Standard Intel servers	2.8	2.7	2.8	2.8	2.7	2.6
Other low-end servers	1.6	1.5	1.5	1.4	1.3	1.2
Personal computers	25.0	21.9	21.8	22.4	21.8	21.0
Traditional workstations	0.5	0.4	0.3	0.2	0.2	0.2
Systems total	33.5	30.0	29.5	29.7	28.7	27.5
Storage						
Disk systems	3.5	3.5	3.3	3.1	2.9	2.7
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.2	0.4	0.4	0.5	0.6	0.6
Storage total	3.9	4.0	3.9	3.7	3.6	3.4
Peripherals						
Printers	3.5	3.4	3.3	3.0	2.7	2.5
Smart handheld devices	0.7	0.8	1.0	1.2	1.5	1.7
Other add-ons	2.3	2.0	2.0	2.0	1.9	1.8
Peripherals total	6.4	6.2	6.2	6.2	6.1	6.1
Networking equipment	7.2	8.2	8.7	9.0	9.2	9.4
Hardware total	51.0	48.4	48.4	48.6	47.7	46.4
Packaged software total	13.3	14.2	14.4	14.6	15.2	15.9
Services total	35.7	37.4	37.3	36.8	37.1	37.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 220
Asia/Pacific Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	12.4	12.8	13.2	13.9	14.6	15.7
Implementation	15.8	16.0	16.1	16.4	16.7	17.4
Support services	12.8	12.4	12.1	11.8	11.7	12.2
Operations management	16.4	16.5	16.6	16.8	17.4	17.7
Training and education	14.1	14.2	14.4	14.5	14.2	14.4
Services total	14.8	14.9	15.0	15.1	15.5	16.0
Packaged software						
System infrastructure software	14.8	15.1	15.4	15.5	15.9	16.7
Appl. development and deployment	13.0	13.2	13.3	13.3	13.5	14.1
Applications	12.0	12.3	12.7	13.0	13.6	14.5
Packaged software total	13.0	13.4	13.6	13.8	14.2	15.0
Hardware						
Systems						
High-end servers	25.1	22.1	20.8	20.2	19.4	18.6
Midrange servers	27.1	31.2	30.5	30.1	29.6	29.1
Low-end servers	25.2	24.7	25.6	27.0	27.6	27.9
Standard Intel servers	23.9	23.6	24.7	25.2	25.3	25.4
Other low-end servers	27.6	27.0	27.5	31.3	33.8	35.4
Personal computers	25.3	25.3	27.2	29.7	31.4	33.3
Traditional workstations	19.6	20.3	20.2	20.2	20.2	20.3
Systems total	25.3	25.4	26.8	28.8	30.1	31.5
Storage						
Disk systems	23.4	24.5	24.3	24.5	24.3	24.1
Tape	5.4	5.7	6.2	6.6	7.0	7.1
Fibre Channel	21.5	21.8	21.6	21.8	22.0	21.9
Storage total	21.1	21.9	21.8	21.9	21.8	21.7
Peripherals						
Printers	23.0	24.5	25.5	25.8	26.0	26.4
Smart handheld devices	18.0	19.0	22.7	27.5	32.5	37.0
Other add-ons	31.7	31.3	32.1	33.2	34.3	34.6
Peripherals total	24.7	25.4	26.8	28.2	29.6	31.1
Networking equipment	21.8	25.8	27.9	29.2	30.5	31.8
Hardware total	24.3	25.1	26.5	28.1	29.3	30.5
Packaged software total	13.0	13.4	13.6	13.8	14.2	15.0
Services total	14.8	14.9	15.0	15.1	15.5	16.0
Total IT	18.1	18.2	18.6	19.2	19.6	20.2

Source: IDC, June 2002

Table 221
IT Spending in Australia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	364.6	431.5	487.7	561.8	656.3	743.3
Implementation	1,757.1	2,073.0	2,344.1	2,660.3	2,992.7	3,331.4
Support services	779.3	815.6	837.6	861.6	888.1	911.4
Operations management	2,140.9	2,336.5	2,624.5	2,959.5	3,301.7	3,663.3
Training and education	118.7	131.3	148.1	163.4	181.3	199.1
Services total	5,160.6	5,787.8	6,442.0	7,206.6	8,020.1	8,848.5
Packaged software						
System infrastructure software	527.2	622.1	732.9	876.7	1,064.2	1,304.3
Appl. development and deployment	493.0	559.1	657.7	788.8	936.1	1,110.4
Applications	1,144.1	1,291.5	1,491.7	1,768.8	2,126.1	2,652.5
Packaged software total	2,164.4	2,472.7	2,882.3	3,434.2	4,126.4	5,067.2
Hardware						
Systems						
High-end servers	46.0	40.4	42.9	41.9	41.4	41.1
Midrange servers	179.5	196.2	214.7	230.7	247.9	266.9
Low-end servers	426.7	414.8	420.6	453.9	478.6	496.0
Standard Intel servers	311.7	298.5	297.1	309.3	324.7	344.0
Other low-end servers	114.9	116.2	123.5	144.6	153.9	152.0
Personal computers	2,622.0	2,647.8	2,731.9	2,814.7	2,890.0	2,943.0
Traditional workstations	21.0	18.5	17.0	15.5	14.1	12.8
Systems total	3,295.2	3,317.6	3,427.0	3,556.7	3,672.0	3,759.8
Storage						
Disk systems	387.9	416.3	425.4	430.9	437.3	441.6
Tape	25.7	27.4	27.1	28.2	32.4	33.2
Fibre Channel	48.8	74.0	89.2	104.0	126.4	151.7
Storage total	462.5	517.7	541.6	563.0	596.1	626.6
Peripherals						
Printers	262.3	246.0	245.1	245.9	247.0	245.6
Smart handheld devices	40.4	100.2	212.7	330.1	400.5	489.7
Other add-ons	218.0	219.7	227.4	235.2	242.4	247.9
Peripherals total	520.6	565.9	685.2	811.2	889.9	983.3
Networking equipment	857.4	914.2	989.1	1,074.5	1,138.1	1,203.2
Hardware total	5,135.7	5,315.5	5,643.0	6,005.4	6,296.2	6,572.8
Packaged software total	2,164.4	2,472.7	2,882.3	3,434.2	4,126.4	5,067.2
Services total	5,160.6	5,787.8	6,442.0	7,206.6	8,020.1	8,848.5
Total IT	12,460.7	13,576.0	14,967.3	16,646.2	18,442.7	20,488.5

Source: IDC, June 2002

Table 222
Growth in IT Spending in Australia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	18.3	13.0	15.2	16.8	13.3	14.6
Implementation	18.0	13.1	13.5	12.5	11.3	12.6
Support services	4.7	2.7	2.9	3.1	2.6	2.8
Operations management	9.1	12.3	12.8	11.6	11.0	11.9
Training and education	10.6	12.8	10.3	10.9	9.8	11.0
Services total	12.2	11.3	11.9	11.3	10.3	11.2
Packaged software						
System infrastructure software	18.0	17.8	19.6	21.4	22.6	20.3
Appl. development and deployment	13.4	17.6	19.9	18.7	18.6	18.7
Applications	12.9	15.5	18.6	20.2	24.8	19.7
Packaged software total	14.2	16.6	19.1	20.2	22.8	19.6
Hardware						
Systems						
High-end servers	-12.1	6.2	-2.3	-1.3	-0.7	0.4
Midrange servers	9.3	9.4	7.5	7.4	7.7	8.0
Low-end servers	-2.8	1.4	7.9	5.4	3.6	4.6
Standard Intel servers	-4.2	-0.5	4.1	5.0	5.9	3.6
Other low-end servers	1.2	6.2	17.1	6.4	-1.3	6.9
Personal computers	1.0	3.2	3.0	2.7	1.8	2.7
Traditional workstations	-12.2	-8.2	-8.8	-8.8	-9.3	-8.8
Systems total	0.7	3.3	3.8	3.2	2.4	3.2
Storage						
Disk systems	7.3	2.2	1.3	1.5	1.0	1.5
Tape	6.6	-1.1	3.9	15.0	2.6	4.9
Fibre Channel	51.5	20.6	16.6	21.6	20.0	19.7
Storage total	11.9	4.6	3.9	5.9	5.1	4.9
Peripherals						
Printers	-6.2	-0.4	0.3	0.5	-0.6	0.0
Smart handheld devices	148.0	112.3	55.2	21.3	22.3	48.7
Other add-ons	0.8	3.5	3.4	3.0	2.3	3.1
Peripherals total	8.7	21.1	18.4	9.7	10.5	14.8
Networking equipment	6.6	8.2	8.6	5.9	5.7	7.1
Hardware total	3.5	6.2	6.4	4.8	4.4	5.5
Packaged software total	14.2	16.6	19.1	20.2	22.8	19.6
Services total	12.2	11.3	11.9	11.3	10.3	11.2
Total IT	9.0	10.2	11.2	10.8	11.1	10.8

Source: IDC, June 2002

Table 223
Proportions of IT Spending Categories in Australia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.9	3.2	3.3	3.4	3.6	3.6
Implementation	14.1	15.3	15.7	16.0	16.2	16.3
Support services	6.3	6.0	5.6	5.2	4.8	4.4
Operations management	17.2	17.2	17.5	17.8	17.9	17.9
Training and education	1.0	1.0	1.0	1.0	1.0	1.0
Services total	41.4	42.6	43.0	43.3	43.5	43.2
Packaged software						
System infrastructure software	4.2	4.6	4.9	5.3	5.8	6.4
Appl. development and deployment	4.0	4.1	4.4	4.7	5.1	5.4
Applications	9.2	9.5	10.0	10.6	11.5	12.9
Packaged software total	17.4	18.2	19.3	20.6	22.4	24.7
Hardware						
Systems						
High-end servers	0.4	0.3	0.3	0.3	0.2	0.2
Midrange servers	1.4	1.4	1.4	1.4	1.3	1.3
Low-end servers	3.4	3.1	2.8	2.7	2.6	2.4
Standard Intel servers	2.5	2.2	2.0	1.9	1.8	1.7
Other low-end servers	0.9	0.9	0.8	0.9	0.8	0.7
Personal computers	21.0	19.5	18.3	16.9	15.7	14.4
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.1
Systems total	26.4	24.4	22.9	21.4	19.9	18.4
Storage						
Disk systems	3.1	3.1	2.8	2.6	2.4	2.2
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.4	0.5	0.6	0.6	0.7	0.7
Storage total	3.7	3.8	3.6	3.4	3.2	3.1
Peripherals						
Printers	2.1	1.8	1.6	1.5	1.3	1.2
Smart handheld devices	0.3	0.7	1.4	2.0	2.2	2.4
Other add-ons	1.7	1.6	1.5	1.4	1.3	1.2
Peripherals total	4.2	4.2	4.6	4.9	4.8	4.8
Networking equipment	6.9	6.7	6.6	6.5	6.2	5.9
Hardware total	41.2	39.2	37.7	36.1	34.1	32.1
Packaged software total	17.4	18.2	19.3	20.6	22.4	24.7
Services total	41.4	42.6	43.0	43.3	43.5	43.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 224
Australia Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.4	6.8	6.7	6.6	6.6	6.1
Implementation	11.5	12.4	12.8	12.8	12.8	12.3
Support services	6.5	6.5	6.3	6.0	5.6	5.1
Operations management	8.7	8.6	8.6	8.6	8.3	8.2
Training and education	3.2	3.2	3.3	3.2	3.3	3.1
Services total	8.4	8.7	8.7	8.7	8.5	8.2
Packaged software						
System infrastructure software	7.0	7.5	7.8	8.2	8.6	8.9
Appl. development and deployment	9.1	9.4	9.8	10.3	10.4	10.6
Applications	11.6	11.7	12.0	12.2	12.4	12.9
Packaged software total	9.5	9.8	10.1	10.4	10.7	11.1
Hardware						
Systems						
High-end servers	1.7	1.9	2.2	2.2	2.2	2.2
Midrange servers	4.8	4.8	4.9	4.9	4.8	4.9
Low-end servers	5.8	5.4	5.0	4.8	4.7	4.5
Standard Intel servers	6.6	6.1	5.4	5.0	4.7	4.6
Other low-end servers	4.3	4.2	4.3	4.6	4.6	4.4
Personal computers	6.1	6.8	6.3	5.6	5.2	4.9
Traditional workstations	2.7	2.7	2.8	2.9	2.9	3.0
Systems total	5.7	6.2	5.8	5.3	5.0	4.8
Storage						
Disk systems	6.4	6.7	6.5	6.2	5.9	5.8
Tape	12.0	11.7	10.1	9.1	8.9	8.5
Fibre Channel	12.0	11.7	10.1	9.1	8.9	8.5
Storage total	6.9	7.3	7.1	6.7	6.5	6.4
Peripherals						
Printers	4.4	4.0	3.8	3.6	3.5	3.4
Smart handheld devices	3.6	7.3	11.1	12.1	10.7	10.0
Other add-ons	5.5	6.1	5.8	5.2	5.0	4.7
Peripherals total	4.7	5.1	5.5	5.8	5.7	5.7
Networking equipment	6.9	6.3	5.7	5.3	4.9	4.5
Hardware total	5.9	6.2	5.9	5.5	5.2	4.9
Packaged software total	9.5	9.8	10.1	10.4	10.7	11.1
Services total	8.4	8.7	8.7	8.7	8.5	8.2
Total IT	7.3	7.6	7.5	7.4	7.3	7.2

Source: IDC, June 2002

Table 225
Australia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.8	0.9	0.9	0.9	1.0	1.0
Implementation	1.8	2.0	2.1	2.1	2.1	2.1
Support services	0.8	0.8	0.8	0.7	0.7	0.6
Operations management	1.4	1.4	1.4	1.4	1.4	1.5
Training and education	0.5	0.5	0.5	0.5	0.5	0.5
Services total	1.3	1.3	1.3	1.3	1.3	1.3
Packaged software						
System infrastructure software	1.0	1.1	1.2	1.3	1.4	1.5
Appl. development and deployment	1.2	1.2	1.3	1.4	1.4	1.5
Applications	1.4	1.4	1.5	1.6	1.7	1.9
Packaged software total	1.2	1.3	1.4	1.4	1.5	1.7
Hardware						
Systems						
High-end servers	0.4	0.4	0.5	0.5	0.4	0.4
Midrange servers	1.3	1.5	1.5	1.5	1.4	1.4
Low-end servers	1.5	1.3	1.3	1.3	1.3	1.3
Standard Intel servers	1.6	1.4	1.3	1.2	1.2	1.2
Other low-end servers	1.2	1.1	1.2	1.5	1.6	1.6
Personal computers	1.6	1.7	1.7	1.7	1.6	1.6
Traditional workstations	0.5	0.6	0.6	0.6	0.6	0.6
Systems total	1.5	1.6	1.6	1.5	1.5	1.5
Storage						
Disk systems	1.5	1.6	1.6	1.5	1.4	1.4
Tape	0.6	0.7	0.6	0.6	0.6	0.6
Fibre Channel	2.6	2.5	2.2	2.0	1.9	1.9
Storage total	1.5	1.6	1.5	1.5	1.4	1.4
Peripherals						
Printers	1.0	1.0	1.0	0.9	0.9	0.9
Smart handheld devices	0.7	1.4	2.5	3.3	3.5	3.7
Other add-ons	1.8	1.9	1.8	1.7	1.7	1.6
Peripherals total	1.2	1.3	1.5	1.6	1.7	1.8
Networking equipment	1.5	1.6	1.6	1.5	1.5	1.4
Hardware total	1.4	1.5	1.6	1.5	1.5	1.5
Packaged software total	1.2	1.3	1.4	1.4	1.5	1.7
Services total	1.3	1.3	1.3	1.3	1.3	1.3
Total IT	1.3	1.4	1.4	1.4	1.4	1.4

Source: IDC, June 2002

Table 226
IT Spending in China, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	215.5	348.1	587.8	965.1	1,628.2	2,666.6
Implementation	417.0	606.2	879.1	1,309.0	2,058.3	3,277.1
Support services	344.9	497.1	696.6	1,064.4	1,625.5	2,498.2
Operations management	174.9	259.2	388.0	579.1	867.8	1,459.4
Training and education	83.5	117.2	170.1	219.0	306.5	464.4
Services total	1,235.8	1,827.7	2,721.5	4,136.7	6,486.3	10,365.7
Packaged software						
System infrastructure software	613.9	784.7	1,021.2	1,337.7	1,766.9	2,414.4
Appl. development and deployment	296.4	399.5	565.0	810.9	1,138.9	1,534.4
Applications	810.7	1,157.8	1,671.8	2,398.0	3,363.0	4,621.1
Packaged software total	1,721.0	2,342.0	3,258.0	4,546.6	6,268.7	8,569.9
Hardware						
Systems						
High-end servers	134.6	122.7	113.2	117.3	107.4	102.3
Midrange servers	414.0	481.5	552.3	611.6	680.1	740.1
Low-end servers	1,331.8	1,505.2	1,781.4	2,148.2	2,431.7	2,725.8
Standard Intel servers	852.9	978.3	1,214.0	1,551.7	1,803.7	2,074.8
Other low-end servers	478.9	526.9	567.4	596.5	628.0	651.0
Personal computers	8,747.3	9,661.9	11,686.0	14,112.7	16,298.5	18,379.9
Traditional workstations	83.4	89.3	91.6	92.4	91.5	90.5
Systems total	10,711.1	11,860.6	14,224.6	17,082.3	19,609.2	22,038.5
Storage						
Disk systems	333.7	381.7	431.3	489.3	536.3	564.0
Tape	22.1	25.1	27.5	32.0	39.7	42.5
Fibre Channel	42.0	67.8	90.4	118.1	155.0	193.7
Storage total	397.8	474.6	549.3	639.3	731.0	800.2
Peripherals						
Printers	1,167.6	1,299.2	1,366.4	1,491.7	1,602.6	1,735.5
Smart handheld devices	298.0	330.7	389.0	513.9	725.1	985.9
Other add-ons	708.3	781.1	935.0	1,121.0	1,286.1	1,444.2
Peripherals total	2,173.9	2,411.0	2,690.4	3,126.6	3,613.8	4,165.6
Networking equipment	2,665.4	3,436.8	4,543.3	5,989.3	7,731.3	9,941.3
Hardware total	15,948.3	18,183.1	22,007.6	26,837.5	31,685.4	36,945.6
Packaged software total	1,721.0	2,342.0	3,258.0	4,546.6	6,268.7	8,569.9
Services total	1,235.8	1,827.7	2,721.5	4,136.7	6,486.3	10,365.7
Total IT	18,905.1	22,352.8	27,987.2	35,520.8	44,440.4	55,881.3

Source: IDC, June 2002

Table 227
Growth in IT Spending in China, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	61.5	68.9	64.2	68.7	63.8	66.4
Implementation	45.4	45.0	48.9	57.2	59.2	52.5
Support services	44.1	40.1	52.8	52.7	53.7	49.7
Operations management	48.2	49.7	49.3	49.8	68.2	54.0
Training and education	40.3	45.1	28.8	40.0	51.5	41.1
Services total	47.9	48.9	52.0	56.8	59.8	54.3
Packaged software						
System infrastructure software	27.8	30.1	31.0	32.1	36.6	32.4
Appl. development and deployment	34.8	41.4	43.5	40.4	34.7	40.0
Applications	42.8	44.4	43.4	40.2	37.4	41.3
Packaged software total	36.1	39.1	39.6	37.9	36.7	38.3
Hardware						
Systems						
High-end servers	-8.8	-7.7	3.6	-8.4	-4.8	-4.5
Midrange servers	16.3	14.7	10.7	11.2	8.8	11.3
Low-end servers	13.0	18.4	20.6	13.2	12.1	16.0
Standard Intel servers	14.7	24.1	27.8	16.2	15.0	20.7
Other low-end servers	10.0	7.7	5.1	5.3	3.7	5.4
Personal computers	10.5	20.9	20.8	15.5	12.8	17.4
Traditional workstations	7.1	2.6	0.9	-1.1	-1.1	0.3
Systems total	10.7	19.9	20.1	14.8	12.4	16.8
Storage						
Disk systems	14.4	13.0	13.4	9.6	5.2	10.3
Tape	13.6	9.3	16.3	24.2	6.9	14.0
Fibre Channel	61.5	33.4	30.6	31.3	25.0	30.0
Storage total	19.3	15.7	16.4	14.3	9.5	13.9
Peripherals						
Printers	11.3	5.2	9.2	7.4	8.3	7.5
Smart handheld devices	11.0	17.7	32.1	41.1	36.0	31.4
Other add-ons	10.3	19.7	19.9	14.7	12.3	16.6
Peripherals total	10.9	11.6	16.2	15.6	15.3	14.6
Networking equipment	28.9	32.2	31.8	29.1	28.6	30.4
Hardware total	14.0	21.0	21.9	18.1	16.6	19.4
Packaged software total	36.1	39.1	39.6	37.9	36.7	38.3
Services total	47.9	48.9	52.0	56.8	59.8	54.3
Total IT	18.2	25.2	26.9	25.1	25.7	25.7

Source: IDC, June 2002

Table 228
Proportions of IT Spending Categories in China, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.1	1.6	2.1	2.7	3.7	4.8
Implementation	2.2	2.7	3.1	3.7	4.6	5.9
Support services	1.8	2.2	2.5	3.0	3.7	4.5
Operations management	0.9	1.2	1.4	1.6	2.0	2.6
Training and education	0.4	0.5	0.6	0.6	0.7	0.8
Services total	6.5	8.2	9.7	11.6	14.6	18.5
Packaged software						
System infrastructure software	3.2	3.5	3.6	3.8	4.0	4.3
Appl. development and deployment	1.6	1.8	2.0	2.3	2.6	2.7
Applications	4.3	5.2	6.0	6.8	7.6	8.3
Packaged software total	9.1	10.5	11.6	12.8	14.1	15.3
Hardware						
Systems						
High-end servers	0.7	0.5	0.4	0.3	0.2	0.2
Midrange servers	2.2	2.2	2.0	1.7	1.5	1.3
Low-end servers	7.0	6.7	6.4	6.0	5.5	4.9
Standard Intel servers	4.5	4.4	4.3	4.4	4.1	3.7
Other low-end servers	2.5	2.4	2.0	1.7	1.4	1.2
Personal computers	46.3	43.2	41.8	39.7	36.7	32.9
Traditional workstations	0.4	0.4	0.3	0.3	0.2	0.2
Systems total	56.7	53.1	50.8	48.1	44.1	39.4
Storage						
Disk systems	1.8	1.7	1.5	1.4	1.2	1.0
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.2	0.3	0.3	0.3	0.3	0.3
Storage total	2.1	2.1	2.0	1.8	1.6	1.4
Peripherals						
Printers	6.2	5.8	4.9	4.2	3.6	3.1
Smart handheld devices	1.6	1.5	1.4	1.4	1.6	1.8
Other add-ons	3.7	3.5	3.3	3.2	2.9	2.6
Peripherals total	11.5	10.8	9.6	8.8	8.1	7.5
Networking equipment	14.1	15.4	16.2	16.9	17.4	17.8
Hardware total	84.4	81.3	78.6	75.6	71.3	66.1
Packaged software total	9.1	10.5	11.6	12.8	14.1	15.3
Services total	6.5	8.2	9.7	11.6	14.6	18.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 229
China Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.8	5.5	8.1	11.4	16.3	22.1
Implementation	2.7	3.6	4.8	6.3	8.8	12.1
Support services	2.9	4.0	5.2	7.4	10.3	13.9
Operations management	0.7	1.0	1.3	1.7	2.2	3.3
Training and education	2.3	2.9	3.8	4.3	5.5	7.3
Services total	2.0	2.7	3.7	5.0	6.9	9.6
Packaged software						
System infrastructure software	8.2	9.5	10.9	12.5	14.2	16.5
Appl. development and deployment	5.5	6.7	8.4	10.5	12.6	14.6
Applications	8.2	10.5	13.4	16.5	19.6	22.5
Packaged software total	7.5	9.3	11.4	13.8	16.2	18.8
Hardware						
Systems						
High-end servers	5.1	5.8	5.8	6.3	5.8	5.6
Midrange servers	11.1	11.8	12.5	12.9	13.1	13.7
Low-end servers	18.0	19.7	21.2	22.9	23.8	24.9
Standard Intel servers	18.1	20.0	22.1	24.8	26.2	27.7
Other low-end servers	17.9	19.2	19.6	19.1	18.8	18.9
Personal computers	20.4	24.8	27.0	28.0	29.5	30.5
Traditional workstations	10.8	13.2	15.2	17.1	19.0	21.0
Systems total	18.7	22.2	24.2	25.5	26.8	28.0
Storage						
Disk systems	5.5	6.1	6.6	7.1	7.3	7.4
Tape	10.3	10.7	10.2	10.4	10.9	10.8
Fibre Channel	10.3	10.7	10.2	10.4	10.9	10.8
Storage total	6.0	6.7	7.2	7.6	8.0	8.2
Peripherals						
Printers	19.7	21.2	21.1	22.0	23.0	24.1
Smart handheld devices	26.7	24.2	20.2	18.9	19.3	20.2
Other add-ons	17.9	21.5	23.7	25.0	26.3	27.5
Peripherals total	19.8	21.7	21.8	22.4	23.1	24.0
Networking equipment	21.5	23.6	26.2	29.5	33.0	37.0
Hardware total	18.2	21.1	22.9	24.5	26.1	27.8
Packaged software total	7.5	9.3	11.4	13.8	16.2	18.8
Services total	2.0	2.7	3.7	5.0	6.9	9.6
Total IT	11.0	12.5	14.1	15.7	17.5	19.5

Source: IDC, June 2002

Table 230
China Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.5	0.7	1.1	1.6	2.4	3.5
Implementation	0.4	0.6	0.8	1.0	1.5	2.1
Support services	0.4	0.5	0.6	0.9	1.2	1.7
Operations management	0.1	0.2	0.2	0.3	0.4	0.6
Training and education	0.3	0.4	0.5	0.6	0.8	1.1
Services total	0.3	0.4	0.6	0.8	1.1	1.5
Packaged software						
System infrastructure software	1.2	1.4	1.7	1.9	2.3	2.8
Appl. development and deployment	0.7	0.9	1.1	1.4	1.7	2.1
Applications	1.0	1.3	1.7	2.2	2.7	3.3
Packaged software total	1.0	1.2	1.6	1.9	2.3	2.8
Hardware						
Systems						
High-end servers	1.3	1.3	1.2	1.3	1.1	1.0
Midrange servers	3.0	3.7	3.8	3.9	3.9	4.0
Low-end servers	4.5	4.9	5.4	6.2	6.6	6.9
Standard Intel servers	4.3	4.7	5.4	6.3	6.6	7.0
Other low-end servers	4.9	5.2	5.4	6.0	6.3	6.7
Personal computers	5.2	6.3	7.4	8.3	9.3	10.2
Traditional workstations	2.1	2.7	3.1	3.5	3.8	4.3
Systems total	4.7	5.6	6.5	7.4	8.1	8.8
Storage						
Disk systems	1.3	1.5	1.6	1.7	1.8	1.8
Tape	0.6	0.6	0.6	0.7	0.8	0.8
Fibre Channel	2.2	2.3	2.2	2.3	2.4	2.4
Storage total	1.3	1.5	1.6	1.7	1.7	1.8
Peripherals						
Printers	4.5	5.2	5.4	5.7	6.0	6.3
Smart handheld devices	4.8	4.6	4.6	5.2	6.3	7.5
Other add-ons	5.7	6.8	7.6	8.3	9.0	9.5
Peripherals total	4.9	5.5	5.8	6.3	6.9	7.5
Networking equipment	4.7	6.1	7.3	8.6	10.1	11.8
Hardware total	4.4	5.3	6.1	6.9	7.7	8.5
Packaged software total	1.0	1.2	1.6	1.9	2.3	2.8
Services total	0.3	0.4	0.6	0.8	1.1	1.5
Total IT	2.0	2.3	2.6	3.0	3.4	3.9

Source: IDC, June 2002

Table 231
IT Spending in Hong Kong, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	72.1	73.9	80.5	93.8	109.6	123.8
Implementation	195.7	199.8	218.2	244.1	271.1	297.4
Support services	159.1	165.7	180.9	203.1	224.8	246.8
Operations management	161.8	172.5	203.1	257.6	311.6	365.9
Training and education	73.7	83.0	95.2	108.9	120.6	133.7
Services total	662.5	695.0	777.8	907.6	1,037.7	1,167.6
Packaged software						
System infrastructure software	97.7	113.9	136.8	166.6	204.1	251.6
Appl. development and deployment	70.0	79.9	100.3	129.2	162.3	196.3
Applications	195.3	209.8	234.0	269.4	317.3	383.1
Packaged software total	363.0	403.6	471.1	565.2	683.7	831.0
Hardware						
Systems						
High-end servers	20.5	12.4	11.9	11.1	11.4	12.2
Midrange servers	78.2	79.9	85.0	90.1	93.0	96.1
Low-end servers	186.0	176.3	196.3	214.1	231.8	246.7
Standard Intel servers	120.0	97.2	104.7	112.7	121.4	129.5
Other low-end servers	66.0	79.0	91.6	101.4	110.4	117.1
Personal computers	903.7	743.6	807.7	870.9	914.4	956.1
Traditional workstations	9.8	11.8	11.4	10.9	10.1	9.4
Systems total	1,198.3	1,024.0	1,112.3	1,197.1	1,260.7	1,320.5
Storage						
Disk systems	102.9	93.5	93.5	90.5	92.6	94.1
Tape	6.8	6.2	6.0	5.9	6.9	7.1
Fibre Channel	12.9	16.6	19.6	21.8	26.8	32.3
Storage total	122.7	116.3	119.0	118.2	126.3	133.5
Peripherals						
Printers	94.4	82.2	83.9	88.9	90.3	90.8
Smart handheld devices	56.8	68.0	120.1	213.3	312.3	370.8
Other add-ons	78.4	65.8	71.2	76.4	80.2	83.9
Peripherals total	229.5	216.1	275.2	378.5	482.8	545.5
Networking equipment	270.7	252.5	272.0	312.4	347.3	372.6
Hardware total	1,821.1	1,608.7	1,778.5	2,006.3	2,217.1	2,372.0
Packaged software total	363.0	403.6	471.1	565.2	683.7	831.0
Services total	662.5	695.0	777.8	907.6	1,037.7	1,167.6
Total IT	2,846.6	2,707.4	3,027.5	3,479.0	3,938.5	4,370.6

Source: IDC, June 2002

Table 232
Growth in IT Spending in Hong Kong, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	2.5	8.8	16.6	16.8	12.9	13.8
Implementation	2.1	9.2	11.9	11.1	9.7	10.5
Support services	4.1	9.2	12.2	10.7	9.8	10.5
Operations management	6.6	17.7	26.9	20.9	17.4	20.7
Training and education	12.6	14.6	14.4	10.7	10.8	12.6
Services total	4.9	11.9	16.7	14.3	12.5	13.8
Packaged software						
System infrastructure software	16.6	20.1	21.8	22.5	23.3	21.9
Appl. development and deployment	14.2	25.5	28.8	25.6	20.9	25.2
Applications	7.4	11.5	15.1	17.8	20.7	16.2
Packaged software total	11.2	16.7	20.0	21.0	21.5	19.8
Hardware						
Systems						
High-end servers	-39.4	-3.9	-7.5	2.9	7.3	-0.5
Midrange servers	2.1	6.4	6.1	3.2	3.4	4.8
Low-end servers	-5.2	11.4	9.1	8.3	6.4	8.8
Standard Intel servers	-19.0	7.7	7.6	7.7	6.7	7.4
Other low-end servers	19.7	15.8	10.7	8.9	6.1	10.3
Personal computers	-17.7	8.6	7.8	5.0	4.6	6.5
Traditional workstations	20.3	-3.3	-4.9	-7.0	-7.0	-5.6
Systems total	-14.5	8.6	7.6	5.3	4.7	6.6
Storage						
Disk systems	-9.1	0.0	-3.2	2.4	1.5	0.2
Tape	-9.8	-3.3	-0.7	16.0	3.2	3.5
Fibre Channel	28.3	18.0	11.4	22.6	20.7	18.1
Storage total	-5.2	2.4	-0.7	6.8	5.7	3.5
Peripherals						
Printers	-12.9	2.1	5.9	1.6	0.6	2.5
Smart handheld devices	19.9	76.6	77.5	46.5	18.7	52.8
Other add-ons	-16.0	8.2	7.3	5.0	4.6	6.2
Peripherals total	-5.9	27.4	37.5	27.5	13.0	26.1
Networking equipment	-6.7	7.7	14.9	11.2	7.3	10.2
Hardware total	-11.7	10.6	12.8	10.5	7.0	10.2
Packaged software total	11.2	16.7	20.0	21.0	21.5	19.8
Services total	4.9	11.9	16.7	14.3	12.5	13.8
Total IT	-4.9	11.8	14.9	13.2	11.0	12.7

Source: IDC, June 2002

Table 233
Proportions of IT Spending Categories in Hong Kong, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.5	2.7	2.7	2.7	2.8	2.8
Implementation	6.9	7.4	7.2	7.0	6.9	6.8
Support services	5.6	6.1	6.0	5.8	5.7	5.6
Operations management	5.7	6.4	6.7	7.4	7.9	8.4
Training and education	2.6	3.1	3.1	3.1	3.1	3.1
Services total	23.3	25.7	25.7	26.1	26.3	26.7
Packaged software						
System infrastructure software	3.4	4.2	4.5	4.8	5.2	5.8
Appl. development and deployment	2.5	3.0	3.3	3.7	4.1	4.5
Applications	6.9	7.7	7.7	7.7	8.1	8.8
Packaged software total	12.8	14.9	15.6	16.2	17.4	19.0
Hardware						
Systems						
High-end servers	0.7	0.5	0.4	0.3	0.3	0.3
Midrange servers	2.7	2.9	2.8	2.6	2.4	2.2
Low-end servers	6.5	6.5	6.5	6.2	5.9	5.6
Standard Intel servers	4.2	3.6	3.5	3.2	3.1	3.0
Other low-end servers	2.3	2.9	3.0	2.9	2.8	2.7
Personal computers	31.7	27.5	26.7	25.0	23.2	21.9
Traditional workstations	0.3	0.4	0.4	0.3	0.3	0.2
Systems total	42.1	37.8	36.7	34.4	32.0	30.2
Storage						
Disk systems	3.6	3.5	3.1	2.6	2.4	2.2
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.5	0.6	0.6	0.6	0.7	0.7
Storage total	4.3	4.3	3.9	3.4	3.2	3.1
Peripherals						
Printers	3.3	3.0	2.8	2.6	2.3	2.1
Smart handheld devices	2.0	2.5	4.0	6.1	7.9	8.5
Other add-ons	2.8	2.4	2.4	2.2	2.0	1.9
Peripherals total	8.1	8.0	9.1	10.9	12.3	12.5
Networking equipment	9.5	9.3	9.0	9.0	8.8	8.5
Hardware total	64.0	59.4	58.7	57.7	56.3	54.3
Packaged software total	12.8	14.9	15.6	16.2	17.4	19.0
Services total	23.3	25.7	25.7	26.1	26.3	26.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 234

Hong Kong Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.3	1.2	1.1	1.1	1.1	1.0
Implementation	1.3	1.2	1.2	1.2	1.2	1.1
Support services	1.3	1.3	1.4	1.4	1.4	1.4
Operations management	0.7	0.6	0.7	0.7	0.8	0.8
Training and education	2.0	2.1	2.1	2.1	2.2	2.1
Services total	1.1	1.0	1.1	1.1	1.1	1.1
Packaged software						
System infrastructure software	1.3	1.4	1.5	1.6	1.6	1.7
Appl. development and deployment	1.3	1.3	1.5	1.7	1.8	1.9
Applications	2.0	1.9	1.9	1.9	1.9	1.9
Packaged software total	1.6	1.6	1.7	1.7	1.8	1.8
Hardware						
Systems						
High-end servers	0.8	0.6	0.6	0.6	0.6	0.7
Midrange servers	2.1	1.9	1.9	1.9	1.8	1.8
Low-end servers	2.5	2.3	2.3	2.3	2.3	2.3
Standard Intel servers	2.5	2.0	1.9	1.8	1.8	1.7
Other low-end servers	2.5	2.9	3.2	3.3	3.3	3.4
Personal computers	2.1	1.9	1.9	1.7	1.7	1.6
Traditional workstations	1.3	1.7	1.9	2.0	2.1	2.2
Systems total	2.1	1.9	1.9	1.8	1.7	1.7
Storage						
Disk systems	1.7	1.5	1.4	1.3	1.3	1.2
Tape	3.2	2.6	2.2	1.9	1.9	1.8
Fibre Channel	3.2	2.6	2.2	1.9	1.9	1.8
Storage total	1.8	1.6	1.6	1.4	1.4	1.4
Peripherals						
Printers	1.6	1.3	1.3	1.3	1.3	1.3
Smart handheld devices	5.1	5.0	6.2	7.8	8.3	7.6
Other add-ons	2.0	1.8	1.8	1.7	1.6	1.6
Peripherals total	2.1	1.9	2.2	2.7	3.1	3.1
Networking equipment	2.2	1.7	1.6	1.5	1.5	1.4
Hardware total	2.1	1.9	1.9	1.8	1.8	1.8
Packaged software total	1.6	1.6	1.7	1.7	1.8	1.8
Services total	1.1	1.0	1.1	1.1	1.1	1.1
Total IT	1.7	1.5	1.5	1.5	1.5	1.5

Source: IDC, June 2002

Table 235
Hong Kong Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.1	0.1	0.2	0.2	0.2
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.3	0.3
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.3
Applications	0.2	0.2	0.2	0.2	0.3	0.3
Packaged software total	0.2	0.2	0.2	0.2	0.3	0.3
Hardware						
Systems						
High-end servers	0.2	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.6	0.6	0.6	0.6	0.5	0.5
Low-end servers	0.6	0.6	0.6	0.6	0.6	0.6
Standard Intel servers	0.6	0.5	0.5	0.5	0.4	0.4
Other low-end servers	0.7	0.8	0.9	1.0	1.1	1.2
Personal computers	0.5	0.5	0.5	0.5	0.5	0.5
Traditional workstations	0.2	0.4	0.4	0.4	0.4	0.4
Systems total	0.5	0.5	0.5	0.5	0.5	0.5
Storage						
Disk systems	0.4	0.4	0.3	0.3	0.3	0.3
Tape	0.2	0.2	0.1	0.1	0.1	0.1
Fibre Channel	0.7	0.6	0.5	0.4	0.4	0.4
Storage total	0.4	0.4	0.3	0.3	0.3	0.3
Peripherals						
Printers	0.4	0.3	0.3	0.3	0.3	0.3
Smart handheld devices	0.9	0.9	1.4	2.2	2.7	2.8
Other add-ons	0.6	0.6	0.6	0.6	0.6	0.6
Peripherals total	0.5	0.5	0.6	0.8	0.9	1.0
Networking equipment	0.5	0.4	0.4	0.4	0.5	0.4
Hardware total	0.5	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.2	0.2	0.2	0.2	0.3	0.3
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.3	0.3	0.3	0.3	0.3	0.3

Source: IDC, June 2002

Table 236
IT Spending in India, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	148.2	174.6	216.1	279.9	373.8	495.7
Implementation	489.0	553.6	653.2	798.8	993.3	1,188.8
Support services	389.6	445.3	505.0	589.9	699.0	764.5
Operations management	130.3	171.0	233.0	342.0	503.0	763.5
Training and education	54.7	61.3	70.2	86.7	108.3	194.8
Services total	1,212.0	1,405.9	1,677.5	2,097.3	2,677.4	3,407.3
Packaged software						
System infrastructure software	96.7	116.4	138.9	168.4	206.8	256.2
Appl. development and deployment	55.4	64.0	77.6	97.6	118.9	143.7
Applications	184.6	210.0	240.0	279.5	331.2	401.9
Packaged software total	336.7	390.3	456.5	545.6	656.9	801.8
Hardware						
Systems						
High-end servers	2.6	6.2	11.0	4.5	8.0	7.7
Midrange servers	58.3	60.5	67.4	82.7	89.6	101.8
Low-end servers	225.8	231.7	265.2	320.7	378.7	443.7
Standard Intel servers	159.8	153.9	179.4	228.7	279.7	336.3
Other low-end servers	66.1	77.8	85.8	92.0	99.0	107.4
Personal computers	1,591.3	1,579.3	1,899.6	2,462.0	3,374.3	4,495.5
Traditional workstations	26.9	20.4	20.5	19.7	17.7	16.4
Systems total	1,905.0	1,898.0	2,263.8	2,889.7	3,868.4	5,065.1
Storage						
Disk systems	114.6	126.4	155.4	196.5	236.8	279.7
Tape	7.6	8.3	9.9	12.8	17.5	21.1
Fibre Channel	14.4	22.5	32.6	47.4	68.4	96.1
Storage total	136.7	157.2	197.9	256.7	322.7	396.8
Peripherals						
Printers	212.6	211.4	237.2	285.8	344.3	397.8
Smart handheld devices	2.1	4.0	8.7	15.8	27.3	47.3
Other add-ons	124.3	124.0	148.7	189.9	256.4	337.6
Peripherals total	339.0	339.4	394.6	491.5	628.0	782.7
Networking equipment	308.3	350.1	441.3	589.9	776.4	975.5
Hardware total	2,688.9	2,744.7	3,297.5	4,227.7	5,595.4	7,220.1
Packaged software total	336.7	390.3	456.5	545.6	656.9	801.8
Services total	1,212.0	1,405.9	1,677.5	2,097.3	2,677.4	3,407.3
Total IT	4,237.6	4,540.9	5,431.6	6,870.6	8,929.8	11,429.3

Source: IDC, June 2002

Table 237

Growth in IT Spending in India, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	17.8	23.8	29.5	33.6	32.6	29.8
Implementation	13.2	18.0	22.3	24.3	19.7	21.1
Support services	14.3	13.4	16.8	18.5	9.4	14.5
Operations management	31.2	36.2	46.8	47.1	51.8	45.4
Training and education	12.0	14.5	23.6	24.9	79.8	33.5
Services total	16.0	19.3	25.0	27.7	27.3	24.8
Packaged software						
System infrastructure software	20.3	19.4	21.3	22.8	23.9	21.8
Appl. development and deployment	15.5	21.3	25.8	21.9	20.9	22.4
Applications	13.8	14.3	16.5	18.5	21.3	17.6
Packaged software total	15.9	17.0	19.5	20.4	22.1	19.7
Hardware						
Systems						
High-end servers	142.4	76.5	-58.9	75.7	-3.7	5.3
Midrange servers	3.6	11.5	22.7	8.3	13.6	13.9
Low-end servers	2.6	14.5	20.9	18.1	17.2	17.6
Standard Intel servers	-3.7	16.6	27.5	22.3	20.3	21.6
Other low-end servers	17.7	10.4	7.1	7.7	8.5	8.4
Personal computers	-0.8	20.3	29.6	37.1	33.2	29.9
Traditional workstations	-24.4	0.9	-4.0	-10.1	-7.6	-5.3
Systems total	-0.4	19.3	27.7	33.9	30.9	27.8
Storage						
Disk systems	10.3	22.9	26.4	20.5	18.1	22.0
Tape	9.5	18.9	29.7	36.5	20.1	26.1
Fibre Channel	55.7	45.1	45.5	44.4	40.4	43.8
Storage total	15.0	25.9	29.7	25.7	22.9	26.0
Peripherals						
Printers	-0.6	12.2	20.5	20.5	15.5	17.1
Smart handheld devices	93.4	116.5	82.4	72.7	73.6	85.5
Other add-ons	-0.2	19.9	27.7	35.1	31.7	28.5
Peripherals total	0.1	16.3	24.6	27.8	24.6	23.2
Networking equipment	13.6	26.1	33.7	31.6	25.6	29.2
Hardware total	2.1	20.1	28.2	32.4	29.0	27.4
Packaged software total	15.9	17.0	19.5	20.4	22.1	19.7
Services total	16.0	19.3	25.0	27.7	27.3	24.8
Total IT	7.2	19.6	26.5	30.0	28.0	26.0

Source: IDC, June 2002

Table 238
Proportions of IT Spending Categories in India, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.5	3.8	4.0	4.1	4.2	4.3
Implementation	11.5	12.2	12.0	11.6	11.1	10.4
Support services	9.2	9.8	9.3	8.6	7.8	6.7
Operations management	3.1	3.8	4.3	5.0	5.6	6.7
Training and education	1.3	1.4	1.3	1.3	1.2	1.7
Services total	28.6	31.0	30.9	30.5	30.0	29.8
Packaged software						
System infrastructure software	2.3	2.6	2.6	2.5	2.3	2.2
Appl. development and deployment	1.3	1.4	1.4	1.4	1.3	1.3
Applications	4.4	4.6	4.4	4.1	3.7	3.5
Packaged software total	7.9	8.6	8.4	7.9	7.4	7.0
Hardware						
Systems						
High-end servers	0.1	0.1	0.2	0.1	0.1	0.1
Midrange servers	1.4	1.3	1.2	1.2	1.0	0.9
Low-end servers	5.3	5.1	4.9	4.7	4.2	3.9
Standard Intel servers	3.8	3.4	3.3	3.3	3.1	2.9
Other low-end servers	1.6	1.7	1.6	1.3	1.1	0.9
Personal computers	37.6	34.8	35.0	35.8	37.8	39.3
Traditional workstations	0.6	0.4	0.4	0.3	0.2	0.1
Systems total	45.0	41.8	41.7	42.1	43.3	44.3
Storage						
Disk systems	2.7	2.8	2.9	2.9	2.7	2.4
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.3	0.5	0.6	0.7	0.8	0.8
Storage total	3.2	3.5	3.6	3.7	3.6	3.5
Peripherals						
Printers	5.0	4.7	4.4	4.2	3.9	3.5
Smart handheld devices	0.0	0.1	0.2	0.2	0.3	0.4
Other add-ons	2.9	2.7	2.7	2.8	2.9	3.0
Peripherals total	8.0	7.5	7.3	7.2	7.0	6.8
Networking equipment	7.3	7.7	8.1	8.6	8.7	8.5
Hardware total	63.5	60.4	60.7	61.5	62.7	63.2
Packaged software total	7.9	8.6	8.4	7.9	7.4	7.0
Services total	28.6	31.0	30.9	30.5	30.0	29.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 239
India Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.6	2.8	3.0	3.3	3.7	4.1
Implementation	3.2	3.3	3.6	3.9	4.2	4.4
Support services	3.2	3.6	3.8	4.1	4.4	4.2
Operations management	0.5	0.6	0.8	1.0	1.3	1.7
Training and education	1.5	1.5	1.6	1.7	2.0	3.1
Services total	2.0	2.1	2.3	2.5	2.8	3.2
Packaged software						
System infrastructure software	1.3	1.4	1.5	1.6	1.7	1.8
Appl. development and deployment	1.0	1.1	1.2	1.3	1.3	1.4
Applications	1.9	1.9	1.9	1.9	1.9	2.0
Packaged software total	1.5	1.5	1.6	1.7	1.7	1.8
Hardware						
Systems						
High-end servers	0.1	0.3	0.6	0.2	0.4	0.4
Midrange servers	1.6	1.5	1.5	1.7	1.7	1.9
Low-end servers	3.1	3.0	3.2	3.4	3.7	4.1
Standard Intel servers	3.4	3.1	3.3	3.7	4.1	4.5
Other low-end servers	2.5	2.8	3.0	2.9	3.0	3.1
Personal computers	3.7	4.1	4.4	4.9	6.1	7.5
Traditional workstations	3.5	3.0	3.4	3.6	3.7	3.8
Systems total	3.3	3.5	3.9	4.3	5.3	6.4
Storage						
Disk systems	1.9	2.0	2.4	2.8	3.2	3.7
Tape	3.5	3.5	3.7	4.2	4.8	5.4
Fibre Channel	3.5	3.5	3.7	4.2	4.8	5.4
Storage total	2.0	2.2	2.6	3.1	3.5	4.0
Peripherals						
Printers	3.6	3.5	3.7	4.2	4.9	5.5
Smart handheld devices	0.2	0.3	0.4	0.6	0.7	1.0
Other add-ons	3.1	3.4	3.8	4.2	5.3	6.4
Peripherals total	3.1	3.1	3.2	3.5	4.0	4.5
Networking equipment	2.5	2.4	2.5	2.9	3.3	3.6
Hardware total	3.1	3.2	3.4	3.9	4.6	5.4
Packaged software total	1.5	1.5	1.6	1.7	1.7	1.8
Services total	2.0	2.1	2.3	2.5	2.8	3.2
Total IT	2.5	2.5	2.7	3.0	3.5	4.0

Source: IDC, June 2002

Table 240
India Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.3	0.4	0.4	0.5	0.5	0.6
Implementation	0.5	0.5	0.6	0.6	0.7	0.8
Support services	0.4	0.4	0.5	0.5	0.5	0.5
Operations management	0.1	0.1	0.1	0.2	0.2	0.3
Training and education	0.2	0.2	0.2	0.2	0.3	0.4
Services total	0.3	0.3	0.3	0.4	0.4	0.5
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.3	0.3
Appl. development and deployment	0.1	0.1	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.3	0.3	0.3
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.3
Hardware						
Systems						
High-end servers	0.0	0.1	0.1	0.0	0.1	0.1
Midrange servers	0.4	0.5	0.5	0.5	0.5	0.5
Low-end servers	0.8	0.7	0.8	0.9	1.0	1.1
Standard Intel servers	0.8	0.7	0.8	0.9	1.0	1.1
Other low-end servers	0.7	0.8	0.8	0.9	1.0	1.1
Personal computers	0.9	1.0	1.2	1.4	1.9	2.5
Traditional workstations	0.7	0.6	0.7	0.7	0.7	0.8
Systems total	0.8	0.9	1.0	1.2	1.6	2.0
Storage						
Disk systems	0.4	0.5	0.6	0.7	0.8	0.9
Tape	0.2	0.2	0.2	0.3	0.3	0.4
Fibre Channel	0.8	0.8	0.8	0.9	1.1	1.2
Storage total	0.4	0.5	0.6	0.7	0.8	0.9
Peripherals						
Printers	0.8	0.8	0.9	1.1	1.3	1.5
Smart handheld devices	0.0	0.1	0.1	0.2	0.2	0.4
Other add-ons	1.0	1.1	1.2	1.4	1.8	2.2
Peripherals total	0.8	0.8	0.9	1.0	1.2	1.4
Networking equipment	0.5	0.6	0.7	0.8	1.0	1.2
Hardware total	0.7	0.8	0.9	1.1	1.4	1.7
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.3
Services total	0.3	0.3	0.3	0.4	0.4	0.5
Total IT	0.4	0.5	0.5	0.6	0.7	0.8

Source: IDC, June 2002

Table 241
IT Spending in Indonesia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	10.5	12.9	16.3	21.3	27.9	36.8
Implementation	18.9	23.6	29.6	38.6	51.0	67.9
Support services	24.2	28.8	34.5	41.6	50.5	61.5
Operations management	11.4	14.1	18.1	23.5	31.9	44.0
Training and education	10.3	14.3	19.2	23.7	28.8	35.0
Services total	75.3	93.5	117.7	148.7	190.0	245.2
Packaged software						
System infrastructure software	19.1	21.9	25.6	30.4	36.3	42.7
Appl. development and deployment	13.5	14.9	17.1	20.3	24.0	28.5
Applications	30.2	33.4	38.7	46.7	57.6	70.4
Packaged software total	62.8	70.2	81.3	97.3	118.0	141.6
Hardware						
Systems						
High-end servers	10.7	11.0	5.8	8.9	7.8	6.4
Midrange servers	30.9	30.9	37.3	39.6	44.3	48.5
Low-end servers	72.5	76.2	82.0	88.4	100.0	115.2
Standard Intel servers	60.7	62.4	65.7	72.4	82.4	95.4
Other low-end servers	11.8	13.8	16.3	15.9	17.6	19.9
Personal computers	414.3	443.0	493.1	573.9	675.4	792.2
Traditional workstations	3.8	3.4	3.1	2.8	2.6	2.3
Systems total	532.1	564.5	621.3	713.5	830.0	964.7
Storage						
Disk systems	30.6	33.8	37.6	37.1	33.9	33.3
Tape	2.0	2.2	2.4	2.4	2.5	2.5
Fibre Channel	3.9	6.0	7.9	9.0	9.8	11.4
Storage total	36.5	42.1	47.8	48.5	46.2	47.2
Peripherals						
Printers	76.5	69.2	68.8	71.9	73.8	74.7
Smart handheld devices	7.7	11.9	17.6	25.5	37.3	53.9
Other add-ons	35.3	37.5	40.8	47.3	54.9	63.7
Peripherals total	119.6	118.6	127.3	144.7	166.1	192.2
Networking equipment	81.2	88.3	100.0	124.3	151.4	176.7
Hardware total	769.5	813.4	896.4	1,031.0	1,193.7	1,380.7
Packaged software total	62.8	70.2	81.3	97.3	118.0	141.6
Services total	75.3	93.5	117.7	148.7	190.0	245.2
Total IT	907.5	977.2	1,095.4	1,277.0	1,501.7	1,767.5

Source: IDC, June 2002

Table 242
Growth in IT Spending in Indonesia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	22.8	26.6	30.7	31.1	32.0	30.1
Implementation	24.8	25.4	30.7	31.9	33.1	30.3
Support services	19.0	19.9	20.4	21.4	21.9	20.9
Operations management	23.3	28.8	29.9	35.7	37.8	33.0
Training and education	38.0	34.9	23.0	21.6	21.7	25.2
Services total	24.3	25.8	26.3	27.8	29.0	27.2
Packaged software						
System infrastructure software	14.4	17.1	18.6	19.7	17.7	18.3
Appl. development and deployment	10.7	14.3	18.9	18.5	18.4	17.5
Applications	10.6	15.7	20.8	23.4	22.1	20.5
Packaged software total	11.8	15.8	19.7	21.2	20.0	19.2
Hardware						
Systems						
High-end servers	2.9	-47.2	53.1	-12.6	-17.3	-12.6
Midrange servers	0.1	20.8	6.1	11.9	9.4	11.9
Low-end servers	5.2	7.5	7.8	13.1	15.3	10.9
Standard Intel servers	2.8	5.2	10.3	13.7	15.8	11.2
Other low-end servers	17.3	17.8	-2.0	10.5	12.9	9.5
Personal computers	6.9	11.3	16.4	17.7	17.3	15.6
Traditional workstations	-10.6	-9.2	-8.6	-8.9	-8.9	-8.9
Systems total	6.1	10.1	14.9	16.3	16.2	14.3
Storage						
Disk systems	10.4	11.1	-1.1	-8.7	-1.9	-0.4
Tape	9.7	7.4	1.4	3.4	-0.3	3.0
Fibre Channel	55.9	31.0	13.8	9.4	16.6	17.4
Storage total	15.2	13.7	1.4	-4.7	2.1	2.9
Peripherals						
Printers	-9.5	-0.6	4.4	2.7	1.1	1.9
Smart handheld devices	53.6	48.7	44.6	46.3	44.4	46.0
Other add-ons	6.1	8.9	15.9	16.1	15.9	14.2
Peripherals total	-0.8	7.3	13.7	14.8	15.7	12.8
Networking equipment	8.7	13.3	24.2	21.8	16.7	18.9
Hardware total	5.7	10.2	15.0	15.8	15.7	14.1
Packaged software total	11.8	15.8	19.7	21.2	20.0	19.2
Services total	24.3	25.8	26.3	27.8	29.0	27.2
Total IT	7.7	12.1	16.6	17.6	17.7	16.0

Source: IDC, June 2002

Table 243
Proportions of IT Spending Categories in Indonesia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.2	1.3	1.5	1.7	1.9	2.1
Implementation	2.1	2.4	2.7	3.0	3.4	3.8
Support services	2.7	2.9	3.2	3.3	3.4	3.5
Operations management	1.3	1.4	1.7	1.8	2.1	2.5
Training and education	1.1	1.5	1.8	1.9	1.9	2.0
Services total	8.3	9.6	10.7	11.6	12.7	13.9
Packaged software						
System infrastructure software	2.1	2.2	2.3	2.4	2.4	2.4
Appl. development and deployment	1.5	1.5	1.6	1.6	1.6	1.6
Applications	3.3	3.4	3.5	3.7	3.8	4.0
Packaged software total	6.9	7.2	7.4	7.6	7.9	8.0
Hardware						
Systems						
High-end servers	1.2	1.1	0.5	0.7	0.5	0.4
Midrange servers	3.4	3.2	3.4	3.1	3.0	2.7
Low-end servers	8.0	7.8	7.5	6.9	6.7	6.5
Standard Intel servers	6.7	6.4	6.0	5.7	5.5	5.4
Other low-end servers	1.3	1.4	1.5	1.2	1.2	1.1
Personal computers	45.6	45.3	45.0	44.9	45.0	44.8
Traditional workstations	0.4	0.3	0.3	0.2	0.2	0.1
Systems total	58.6	57.8	56.7	55.9	55.3	54.6
Storage						
Disk systems	3.4	3.5	3.4	2.9	2.3	1.9
Tape	0.2	0.2	0.2	0.2	0.2	0.1
Fibre Channel	0.4	0.6	0.7	0.7	0.7	0.6
Storage total	4.0	4.3	4.4	3.8	3.1	2.7
Peripherals						
Printers	8.4	7.1	6.3	5.6	4.9	4.2
Smart handheld devices	0.9	1.2	1.6	2.0	2.5	3.0
Other add-ons	3.9	3.8	3.7	3.7	3.7	3.6
Peripherals total	13.2	12.1	11.6	11.3	11.1	10.9
Networking equipment	8.9	9.0	9.1	9.7	10.1	10.0
Hardware total	84.8	83.2	81.8	80.7	79.5	78.1
Packaged software total	6.9	7.2	7.4	7.6	7.9	8.0
Services total	8.3	9.6	10.7	11.6	12.7	13.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 244
Indonesia Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.3	0.3	0.3
Implementation	0.1	0.1	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.3	0.3	0.3	0.3
Operations management	0.0	0.1	0.1	0.1	0.1	0.1
Training and education	0.3	0.4	0.4	0.5	0.5	0.6
Services total	0.1	0.1	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.3	0.3	0.3	0.3	0.3	0.3
Appl. development and deployment	0.2	0.3	0.3	0.3	0.3	0.3
Applications	0.3	0.3	0.3	0.3	0.3	0.3
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Hardware						
Systems						
High-end servers	0.4	0.5	0.3	0.5	0.4	0.4
Midrange servers	0.8	0.8	0.8	0.8	0.9	0.9
Low-end servers	1.0	1.0	1.0	0.9	1.0	1.1
Standard Intel servers	1.3	1.3	1.2	1.2	1.2	1.3
Other low-end servers	0.4	0.5	0.6	0.5	0.5	0.6
Personal computers	1.0	1.1	1.1	1.1	1.2	1.3
Traditional workstations	0.5	0.5	0.5	0.5	0.5	0.5
Systems total	0.9	1.1	1.1	1.1	1.1	1.2
Storage						
Disk systems	0.5	0.5	0.6	0.5	0.5	0.4
Tape	0.9	0.9	0.9	0.8	0.7	0.6
Fibre Channel	0.9	0.9	0.9	0.8	0.7	0.6
Storage total	0.5	0.6	0.6	0.6	0.5	0.5
Peripherals						
Printers	1.3	1.1	1.1	1.1	1.1	1.0
Smart handheld devices	0.7	0.9	0.9	0.9	1.0	1.1
Other add-ons	0.9	1.0	1.0	1.1	1.1	1.2
Peripherals total	1.1	1.1	1.0	1.0	1.1	1.1
Networking equipment	0.7	0.6	0.6	0.6	0.6	0.7
Hardware total	0.9	0.9	0.9	0.9	1.0	1.0
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.1	0.1	0.2	0.2	0.2	0.2
Total IT	0.5	0.5	0.6	0.6	0.6	0.6

Source: IDC, June 2002

Table 245
Indonesia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0	0.0	0.0
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.0	0.0	0.0	0.0	0.0	0.0
Appl. development and deployment	0.0	0.0	0.0	0.0	0.0	0.0
Applications	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.2	0.2	0.3	0.3	0.3	0.3
Low-end servers	0.2	0.2	0.2	0.3	0.3	0.3
Standard Intel servers	0.3	0.3	0.3	0.3	0.3	0.3
Other low-end servers	0.1	0.1	0.2	0.2	0.2	0.2
Personal computers	0.2	0.3	0.3	0.3	0.4	0.4
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.2	0.3	0.3	0.3	0.3	0.4
Storage						
Disk systems	0.1	0.1	0.1	0.1	0.1	0.1
Tape	0.1	0.1	0.1	0.1	0.0	0.0
Fibre Channel	0.2	0.2	0.2	0.2	0.2	0.1
Storage total	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals						
Printers	0.3	0.3	0.3	0.3	0.3	0.3
Smart handheld devices	0.1	0.2	0.2	0.3	0.3	0.4
Other add-ons	0.3	0.3	0.3	0.3	0.4	0.4
Peripherals total	0.3	0.3	0.3	0.3	0.3	0.3
Networking equipment	0.1	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.3	0.3	0.3
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 246
IT Spending in Japan, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3,943.2	4,212.2	4,578.3	5,036.3	5,353.4	5,806.5
Implementation	10,083.2	10,438.6	10,915.8	11,664.5	12,199.6	13,232.2
Support services	8,613.6	8,596.7	8,696.5	8,834.5	9,018.1	9,781.5
Operations management	20,105.2	21,992.4	24,389.1	26,996.6	30,533.3	33,117.7
Training and education	2,767.1	2,947.1	3,204.1	3,510.6	3,673.8	3,984.8
Services total	45,512.3	48,186.9	51,783.8	56,042.5	60,778.2	65,922.7
Packaged software						
System infrastructure software	5,161.7	5,451.9	5,849.1	6,345.9	6,891.9	7,462.3
Appl. development and deployment	3,746.9	3,973.8	4,240.2	4,602.2	5,143.2	5,720.6
Applications	5,698.1	6,108.0	6,493.9	7,082.8	7,769.6	8,596.6
Packaged software total	14,606.6	15,533.7	16,583.3	18,030.9	19,804.6	21,779.4
Hardware						
Systems						
High-end servers	2,124.4	1,634.3	1,459.9	1,403.3	1,395.6	1,384.3
Midrange servers	2,110.5	2,318.5	2,407.4	2,559.0	2,802.7	2,866.2
Low-end servers	3,690.0	3,740.3	3,932.6	4,107.2	4,271.7	4,276.5
Standard Intel servers	2,357.4	2,441.0	2,600.3	2,724.3	2,809.4	2,849.4
Other low-end servers	1,332.6	1,299.3	1,332.3	1,382.9	1,462.2	1,427.1
Personal computers	20,609.6	16,053.7	17,124.5	20,031.2	20,605.0	20,869.2
Traditional workstations	496.6	409.1	336.5	276.4	225.8	183.1
Systems total	29,031.1	24,156.0	25,261.0	28,377.1	29,300.8	29,579.3
Storage						
Disk systems	4,254.4	4,383.0	4,532.0	4,846.0	5,180.0	5,333.3
Tape	96.2	112.9	142.5	172.4	203.6	218.9
Fibre Channel	182.5	304.4	468.6	636.2	794.5	998.8
Storage total	4,533.2	4,800.3	5,143.1	5,654.6	6,178.1	6,551.0
Peripherals						
Printers	2,938.3	3,090.1	3,340.7	3,390.0	3,372.8	3,365.8
Smart handheld devices	470.3	522.4	656.0	866.6	1,167.4	1,514.6
Other add-ons	2,065.8	1,683.6	1,740.4	1,948.7	2,008.3	2,027.8
Peripherals total	5,474.3	5,296.2	5,737.1	6,205.3	6,548.5	6,908.3
Networking equipment	6,051.2	7,219.0	8,259.0	9,035.3	9,534.4	9,856.8
Hardware total	45,089.7	41,471.4	44,400.2	49,272.2	51,561.8	52,895.4
Packaged software total	14,606.6	15,533.7	16,583.3	18,030.9	19,804.6	21,779.4
Services total	45,512.3	48,186.9	51,783.8	56,042.5	60,778.2	65,922.7
Total IT	105,208.7	105,192.1	112,767.3	123,345.6	132,144.6	140,597.5

Source: IDC, June 2002

Table 247
Growth in IT Spending in Japan, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	6.8	8.7	10.0	6.3	8.5	8.4
Implementation	3.5	4.6	6.9	4.6	8.5	6.1
Support services	-0.2	1.2	1.6	2.1	8.5	3.3
Operations management	9.4	10.9	10.7	13.1	8.5	10.8
Training and education	6.5	8.7	9.6	4.6	8.5	7.8
Services total	5.9	7.5	8.2	8.5	8.5	8.1
Packaged software						
System infrastructure software	5.6	7.3	8.5	8.6	8.3	8.2
Appl. development and deployment	6.1	6.7	8.5	11.8	11.2	9.5
Applications	7.2	6.3	9.1	9.7	10.6	8.9
Packaged software total	6.3	6.8	8.7	9.8	10.0	8.8
Hardware						
Systems						
High-end servers	-23.1	-10.7	-3.9	-0.5	-0.8	-4.1
Midrange servers	9.9	3.8	6.3	9.5	2.3	5.4
Low-end servers	1.4	5.1	4.4	4.0	0.1	3.4
Standard Intel servers	3.5	6.5	4.8	3.1	1.4	3.9
Other low-end servers	-2.5	2.5	3.8	5.7	-2.4	2.4
Personal computers	-22.1	6.7	17.0	2.9	1.3	6.8
Traditional workstations	-17.6	-17.7	-17.9	-18.3	-18.9	-18.2
Systems total	-16.8	4.6	12.3	3.3	1.0	5.2
Storage						
Disk systems	3.0	3.4	6.9	6.9	3.0	5.0
Tape	17.3	26.2	21.0	18.1	7.5	18.0
Fibre Channel	66.8	53.9	35.8	24.9	25.7	34.6
Storage total	5.9	7.1	9.9	9.3	6.0	8.1
Peripherals						
Printers	5.2	8.1	1.5	-0.5	-0.2	2.2
Smart handheld devices	11.1	25.6	32.1	34.7	29.7	30.5
Other add-ons	-18.5	3.4	12.0	3.1	1.0	4.8
Peripherals total	-3.3	8.3	8.2	5.5	5.5	6.9
Networking equipment	19.3	14.4	9.4	5.5	3.4	8.1
Hardware total	-8.0	7.1	11.0	4.6	2.6	6.3
Packaged software total	6.3	6.8	8.7	9.8	10.0	8.8
Services total	5.9	7.5	8.2	8.5	8.5	8.1
Total IT	0.0	7.2	9.4	7.1	6.4	7.5

Source: IDC, June 2002

Table 248
Proportions of IT Spending Categories in Japan, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.7	4.0	4.1	4.1	4.1	4.1
Implementation	9.6	9.9	9.7	9.5	9.2	9.4
Support services	8.2	8.2	7.7	7.2	6.8	7.0
Operations management	19.1	20.9	21.6	21.9	23.1	23.6
Training and education	2.6	2.8	2.8	2.8	2.8	2.8
Services total	43.3	45.8	45.9	45.4	46.0	46.9
Packaged software						
System infrastructure software	4.9	5.2	5.2	5.1	5.2	5.3
Appl. development and deployment	3.6	3.8	3.8	3.7	3.9	4.1
Applications	5.4	5.8	5.8	5.7	5.9	6.1
Packaged software total	13.9	14.8	14.7	14.6	15.0	15.5
Hardware						
Systems						
High-end servers	2.0	1.6	1.3	1.1	1.1	1.0
Midrange servers	2.0	2.2	2.1	2.1	2.1	2.0
Low-end servers	3.5	3.6	3.5	3.3	3.2	3.0
Standard Intel servers	2.2	2.3	2.3	2.2	2.1	2.0
Other low-end servers	1.3	1.2	1.2	1.1	1.1	1.0
Personal computers	19.6	15.3	15.2	16.2	15.6	14.8
Traditional workstations	0.5	0.4	0.3	0.2	0.2	0.1
Systems total	27.6	23.0	22.4	23.0	22.2	21.0
Storage						
Disk systems	4.0	4.2	4.0	3.9	3.9	3.8
Tape	0.1	0.1	0.1	0.1	0.2	0.2
Fibre Channel	0.2	0.3	0.4	0.5	0.6	0.7
Storage total	4.3	4.6	4.6	4.6	4.7	4.7
Peripherals						
Printers	2.8	2.9	3.0	2.7	2.6	2.4
Smart handheld devices	0.4	0.5	0.6	0.7	0.9	1.1
Other add-ons	2.0	1.6	1.5	1.6	1.5	1.4
Peripherals total	5.2	5.0	5.1	5.0	5.0	4.9
Networking equipment	5.8	6.9	7.3	7.3	7.2	7.0
Hardware total	42.9	39.4	39.4	39.9	39.0	37.6
Packaged software total	13.9	14.8	14.7	14.6	15.0	15.5
Services total	43.3	45.8	45.9	45.4	46.0	46.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 249
Japan Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	69.7	66.7	63.2	59.4	53.5	48.0
Implementation	65.9	62.6	59.4	56.3	52.1	48.7
Support services	71.7	68.6	65.4	61.5	57.2	54.3
Operations management	82.2	80.9	79.7	78.2	76.9	74.6
Training and education	74.7	72.8	70.9	69.3	66.3	62.9
Services total	74.4	72.2	69.9	67.4	64.4	61.0
Packaged software						
System infrastructure software	68.7	65.7	62.6	59.2	55.4	51.0
Appl. development and deployment	68.9	66.7	63.4	59.8	57.0	54.5
Applications	57.9	55.4	52.1	48.8	45.4	41.9
Packaged software total	64.1	61.5	58.2	54.8	51.3	47.7
Hardware						
Systems						
High-end servers	80.1	77.5	74.7	75.0	75.1	75.8
Midrange servers	56.7	56.6	54.6	53.8	54.1	52.9
Low-end servers	49.9	48.9	46.8	43.9	41.8	39.1
Standard Intel servers	50.0	49.8	47.3	43.6	40.8	38.0
Other low-end servers	49.7	47.4	46.0	44.4	43.8	41.5
Personal computers	48.1	41.2	39.5	39.7	37.2	34.7
Traditional workstations	64.4	60.3	55.7	51.1	46.9	42.6
Systems total	50.6	45.1	43.1	42.4	40.1	37.5
Storage						
Disk systems	70.4	70.3	69.6	69.9	70.3	70.0
Tape	44.7	48.0	53.1	55.8	55.6	55.9
Fibre Channel	44.7	48.0	53.1	55.8	55.6	55.9
Storage total	68.0	67.6	67.1	67.4	67.4	66.8
Peripherals						
Printers	49.5	50.5	51.5	50.1	48.3	46.7
Smart handheld devices	42.1	38.3	34.1	31.8	31.1	31.1
Other add-ons	52.3	46.4	44.1	43.4	41.1	38.6
Peripherals total	49.8	47.7	46.4	44.4	41.9	39.8
Networking equipment	48.9	49.5	47.7	44.4	40.7	36.7
Hardware total	51.6	48.1	46.3	44.9	42.5	39.8
Packaged software total	64.1	61.5	58.2	54.8	51.3	47.7
Services total	74.4	72.2	69.9	67.4	64.4	61.0
Total IT	61.4	59.0	56.8	54.6	52.0	49.1

Source: IDC, June 2002

Table 250
Japan Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	8.7	8.5	8.4	8.2	7.8	7.5
Implementation	10.4	10.0	9.6	9.2	8.7	8.5
Support services	9.2	8.5	7.9	7.3	6.7	6.6
Operations management	13.5	13.3	13.3	13.2	13.4	13.2
Training and education	10.5	10.3	10.2	10.0	9.4	9.1
Services total	11.1	10.8	10.5	10.2	10.0	9.7
Packaged software						
System infrastructure software	10.2	9.9	9.6	9.2	8.8	8.5
Appl. development and deployment	9.0	8.8	8.5	7.9	7.7	7.7
Applications	6.9	6.8	6.6	6.4	6.2	6.1
Packaged software total	8.4	8.2	7.9	7.6	7.3	7.2
Hardware						
Systems						
High-end servers	20.1	17.1	15.6	15.2	14.5	14.1
Midrange servers	15.4	17.7	16.7	16.2	16.0	15.4
Low-end servers	12.5	12.1	12.0	11.8	11.5	10.9
Standard Intel servers	12.0	11.8	11.7	11.0	10.3	9.7
Other low-end servers	13.7	12.8	12.7	13.9	14.8	14.7
Personal computers	12.2	10.4	10.8	11.8	11.7	11.5
Traditional workstations	12.6	12.2	11.2	10.3	9.5	8.7
Systems total	12.8	11.5	11.6	12.2	12.1	11.8
Storage						
Disk systems	16.5	17.2	16.9	17.1	17.1	16.9
Tape	2.4	2.8	3.3	3.7	3.9	4.0
Fibre Channel	9.6	10.5	11.5	12.2	12.2	12.3
Storage total	14.3	14.8	14.6	14.8	14.7	14.5
Peripherals						
Printers	11.4	12.4	13.1	12.9	12.5	12.3
Smart handheld devices	7.6	7.3	7.8	8.7	10.1	11.5
Other add-ons	16.6	14.6	14.1	14.4	14.1	13.4
Peripherals total	12.3	12.1	12.4	12.5	12.4	12.4
Networking equipment	10.7	12.8	13.3	13.0	12.4	11.7
Hardware total	12.5	12.1	12.3	12.6	12.5	12.1
Packaged software total	8.4	8.2	7.9	7.6	7.3	7.2
Services total	11.1	10.8	10.5	10.2	10.0	9.7
Total IT	11.1	10.7	10.6	10.5	10.2	9.9

Source: IDC, June 2002

Table 251

IT Spending in Korea, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	311.7	405.4	527.0	665.7	841.7	1,049.9
Implementation	1,062.2	1,371.3	1,765.2	2,213.0	2,775.9	3,432.3
Support services	633.0	787.3	999.2	1,230.1	1,501.1	1,768.7
Operations management	576.6	837.1	1,115.2	1,409.9	1,839.1	2,333.2
Training and education	106.5	139.1	176.7	225.3	285.9	360.7
Services total	2,690.0	3,540.1	4,583.3	5,744.0	7,243.6	8,944.8
Packaged software						
System infrastructure software	387.7	477.7	620.6	828.2	1,119.8	1,527.5
Appl. development and deployment	293.4	336.2	402.9	489.9	594.2	709.0
Applications	662.9	761.0	894.7	1,064.1	1,287.8	1,546.8
Packaged software total	1,344.0	1,574.9	1,918.1	2,382.2	3,001.8	3,783.3
Hardware						
Systems						
High-end servers	204.5	188.8	199.7	192.6	188.3	181.7
Midrange servers	442.1	473.1	555.5	610.7	662.9	700.9
Low-end servers	690.8	696.0	829.0	1,012.4	1,186.1	1,376.3
Standard Intel servers	401.2	393.6	504.1	632.9	765.9	904.9
Other low-end servers	289.7	302.4	324.9	379.4	420.2	471.4
Personal computers	3,254.4	3,108.7	3,412.9	3,845.6	4,167.5	4,685.9
Traditional workstations	67.6	61.8	60.2	58.7	55.9	52.4
Systems total	4,659.6	4,528.4	5,057.3	5,719.9	6,260.7	6,997.2
Storage						
Disk systems	374.2	361.3	376.1	363.6	346.8	351.5
Tape	24.8	23.8	24.0	23.8	25.7	26.5
Fibre Channel	47.1	64.2	78.8	87.7	100.2	120.7
Storage total	446.1	449.3	478.9	475.1	472.8	498.7
Peripherals						
Printers	509.4	494.9	510.1	545.0	586.1	624.5
Smart handheld devices	67.8	102.4	139.6	188.1	320.1	443.9
Other add-ons	316.8	306.3	339.4	378.1	409.0	452.7
Peripherals total	893.9	903.6	989.0	1,111.3	1,315.2	1,521.0
Networking equipment	815.1	893.6	1,038.5	1,249.4	1,472.8	1,715.9
Hardware total	6,814.7	6,775.0	7,563.8	8,555.6	9,521.4	10,732.8
Packaged software total	1,344.0	1,574.9	1,918.1	2,382.2	3,001.8	3,783.3
Services total	2,690.0	3,540.1	4,583.3	5,744.0	7,243.6	8,944.8
Total IT	10,848.7	11,890.0	14,065.2	16,681.8	19,766.9	23,461.0

Source: IDC, June 2002

Table 252

Growth in IT Spending in Korea, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	30.0	30.0	26.3	26.4	24.7	26.9
Implementation	29.1	28.7	25.4	25.4	23.6	25.8
Support services	24.4	26.9	23.1	22.0	17.8	22.4
Operations management	45.2	33.2	26.4	30.4	26.9	29.2
Training and education	30.7	27.0	27.5	26.9	26.2	26.9
Services total	31.6	29.5	25.3	26.1	23.5	26.1
Packaged software						
System infrastructure software	23.2	29.9	33.5	35.2	36.4	33.7
Appl. development and deployment	14.6	19.8	21.6	21.3	19.3	20.5
Applications	14.8	17.6	18.9	21.0	20.1	19.4
Packaged software total	17.2	21.8	24.2	26.0	26.0	24.5
Hardware						
Systems						
High-end servers	-7.7	5.8	-3.6	-2.2	-3.5	-1.0
Midrange servers	7.0	17.4	9.9	8.6	5.7	10.3
Low-end servers	0.8	19.1	22.1	17.2	16.0	18.6
Standard Intel servers	-1.9	28.1	25.5	21.0	18.1	23.1
Other low-end servers	4.4	7.4	16.8	10.7	12.2	11.7
Personal computers	-4.5	9.8	12.7	8.4	12.4	10.8
Traditional workstations	-8.7	-2.6	-2.5	-4.7	-6.2	-4.0
Systems total	-2.8	11.7	13.1	9.5	11.8	11.5
Storage						
Disk systems	-3.4	4.1	-3.3	-4.6	1.3	-0.7
Tape	-4.1	0.7	-0.9	8.0	3.0	2.7
Fibre Channel	36.3	22.8	11.3	14.3	20.4	17.1
Storage total	0.7	6.6	-0.8	-0.5	5.5	2.6
Peripherals						
Printers	-2.9	3.1	6.8	7.5	6.6	6.0
Smart handheld devices	51.1	36.3	34.8	70.2	38.7	44.3
Other add-ons	-3.3	10.8	11.4	8.2	10.7	10.3
Peripherals total	1.1	9.5	12.4	18.4	15.7	13.9
Networking equipment	9.6	16.2	20.3	17.9	16.5	17.7
Hardware total	-0.6	11.6	13.1	11.3	12.7	12.2
Packaged software total	17.2	21.8	24.2	26.0	26.0	24.5
Services total	31.6	29.5	25.3	26.1	23.5	26.1
Total IT	9.6	18.3	18.6	18.5	18.7	18.5

Source: IDC, June 2002

Table 253
Proportions of IT Spending Categories in Korea, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.9	3.4	3.7	4.0	4.3	4.5
Implementation	9.8	11.5	12.6	13.3	14.0	14.6
Support services	5.8	6.6	7.1	7.4	7.6	7.5
Operations management	5.3	7.0	7.9	8.5	9.3	9.9
Training and education	1.0	1.2	1.3	1.4	1.4	1.5
Services total	24.8	29.8	32.6	34.4	36.6	38.1
Packaged software						
System infrastructure software	3.6	4.0	4.4	5.0	5.7	6.5
Appl. development and deployment	2.7	2.8	2.9	2.9	3.0	3.0
Applications	6.1	6.4	6.4	6.4	6.5	6.6
Packaged software total	12.4	13.2	13.6	14.3	15.2	16.1
Hardware						
Systems						
High-end servers	1.9	1.6	1.4	1.2	1.0	0.8
Midrange servers	4.1	4.0	3.9	3.7	3.4	3.0
Low-end servers	6.4	5.9	5.9	6.1	6.0	5.9
Standard Intel servers	3.7	3.3	3.6	3.8	3.9	3.9
Other low-end servers	2.7	2.5	2.3	2.3	2.1	2.0
Personal computers	30.0	26.1	24.3	23.1	21.1	20.0
Traditional workstations	0.6	0.5	0.4	0.4	0.3	0.2
Systems total	43.0	38.1	36.0	34.3	31.7	29.8
Storage						
Disk systems	3.4	3.0	2.7	2.2	1.8	1.5
Tape	0.2	0.2	0.2	0.1	0.1	0.1
Fibre Channel	0.4	0.5	0.6	0.5	0.5	0.5
Storage total	4.1	3.8	3.4	2.8	2.4	2.1
Peripherals						
Printers	4.7	4.2	3.6	3.3	3.0	2.7
Smart handheld devices	0.6	0.9	1.0	1.1	1.6	1.9
Other add-ons	2.9	2.6	2.4	2.3	2.1	1.9
Peripherals total	8.2	7.6	7.0	6.7	6.7	6.5
Networking equipment	7.5	7.5	7.4	7.5	7.5	7.3
Hardware total	62.8	57.0	53.8	51.3	48.2	45.7
Packaged software total	12.4	13.2	13.6	14.3	15.2	16.1
Services total	24.8	29.8	32.6	34.4	36.6	38.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 254
Korea Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.5	6.4	7.3	7.8	8.4	8.7
Implementation	6.9	8.2	9.6	10.7	11.9	12.6
Support services	5.3	6.3	7.5	8.6	9.5	9.8
Operations management	2.4	3.1	3.6	4.1	4.6	5.3
Training and education	2.9	3.4	3.9	4.4	5.2	5.7
Services total	4.4	5.3	6.2	6.9	7.7	8.3
Packaged software						
System infrastructure software	5.2	5.8	6.6	7.7	9.0	10.4
Appl. development and deployment	5.4	5.6	6.0	6.4	6.6	6.8
Applications	6.7	6.9	7.2	7.3	7.5	7.5
Packaged software total	5.9	6.2	6.7	7.2	7.8	8.3
Hardware						
Systems						
High-end servers	7.7	9.0	10.2	10.3	10.1	9.9
Midrange servers	11.9	11.6	12.6	12.8	12.8	12.9
Low-end servers	9.3	9.1	9.9	10.8	11.6	12.6
Standard Intel servers	8.5	8.0	9.2	10.1	11.1	12.1
Other low-end servers	10.8	11.0	11.2	12.2	12.6	13.7
Personal computers	7.6	8.0	7.9	7.6	7.5	7.8
Traditional workstations	8.8	9.1	10.0	10.8	11.6	12.2
Systems total	8.1	8.5	8.6	8.5	8.6	8.9
Storage						
Disk systems	6.2	5.8	5.8	5.2	4.7	4.6
Tape	11.5	10.1	8.9	7.7	7.0	6.8
Fibre Channel	11.5	10.1	8.9	7.7	7.0	6.8
Storage total	6.7	6.3	6.3	5.7	5.2	5.1
Peripherals						
Printers	8.6	8.1	7.9	8.1	8.4	8.7
Smart handheld devices	6.1	7.5	7.3	6.9	8.5	9.1
Other add-ons	8.0	8.4	8.6	8.4	8.4	8.6
Peripherals total	8.1	8.1	8.0	7.9	8.4	8.8
Networking equipment	6.6	6.1	6.0	6.1	6.3	6.4
Hardware total	7.8	7.9	7.9	7.8	7.9	8.1
Packaged software total	5.9	6.2	6.7	7.2	7.8	8.3
Services total	4.4	5.3	6.2	6.9	7.7	8.3
Total IT	6.3	6.7	7.1	7.4	7.8	8.2

Source: IDC, June 2002

Table 255
Korea Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.7	0.8	1.0	1.1	1.2	1.4
Implementation	1.1	1.3	1.5	1.7	2.0	2.2
Support services	0.7	0.8	0.9	1.0	1.1	1.2
Operations management	0.4	0.5	0.6	0.7	0.8	0.9
Training and education	0.4	0.5	0.6	0.6	0.7	0.8
Services total	0.7	0.8	0.9	1.0	1.2	1.3
Packaged software						
System infrastructure software	0.8	0.9	1.0	1.2	1.4	1.7
Appl. development and deployment	0.7	0.7	0.8	0.8	0.9	0.9
Applications	0.8	0.9	0.9	1.0	1.0	1.1
Packaged software total	0.8	0.8	0.9	1.0	1.1	1.2
Hardware						
Systems						
High-end servers	1.9	2.0	2.1	2.1	2.0	1.9
Midrange servers	3.2	3.6	3.8	3.9	3.8	3.8
Low-end servers	2.3	2.3	2.5	2.9	3.2	3.5
Standard Intel servers	2.0	1.9	2.3	2.6	2.8	3.1
Other low-end servers	3.0	3.0	3.1	3.8	4.2	4.8
Personal computers	1.9	2.0	2.1	2.3	2.4	2.6
Traditional workstations	1.7	1.8	2.0	2.2	2.3	2.5
Systems total	2.1	2.1	2.3	2.5	2.6	2.8
Storage						
Disk systems	1.4	1.4	1.4	1.3	1.1	1.1
Tape	0.6	0.6	0.6	0.5	0.5	0.5
Fibre Channel	2.5	2.2	1.9	1.7	1.5	1.5
Storage total	1.4	1.4	1.4	1.2	1.1	1.1
Peripherals						
Printers	2.0	2.0	2.0	2.1	2.2	2.3
Smart handheld devices	1.1	1.4	1.6	1.9	2.8	3.4
Other add-ons	2.5	2.6	2.8	2.8	2.9	3.0
Peripherals total	2.0	2.1	2.1	2.2	2.5	2.7
Networking equipment	1.4	1.6	1.7	1.8	1.9	2.0
Hardware total	1.9	2.0	2.1	2.2	2.3	2.5
Packaged software total	0.8	0.8	0.9	1.0	1.1	1.2
Services total	0.7	0.8	0.9	1.0	1.2	1.3
Total IT	1.1	1.2	1.3	1.4	1.5	1.7

Source: IDC, June 2002

Table 256
IT Spending in Malaysia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	46.2	56.0	69.2	85.6	106.5	132.7
Implementation	102.0	119.3	142.1	171.2	206.9	249.0
Support services	116.8	138.3	161.2	189.6	224.6	265.4
Operations management	76.6	93.5	114.6	140.9	172.8	211.7
Training and education	45.2	53.9	65.3	80.2	100.2	126.0
Services total	386.7	461.0	552.4	667.5	811.0	984.8
Packaged software						
System infrastructure software	81.8	94.1	111.6	133.4	159.4	190.2
Appl. development and deployment	67.2	75.0	88.1	105.5	124.8	146.6
Applications	195.5	215.4	239.4	273.1	318.1	370.0
Packaged software total	344.6	384.6	439.1	512.0	602.4	706.8
Hardware						
Systems						
High-end servers	3.2	7.8	12.5	8.4	8.4	7.8
Midrange servers	69.9	70.6	74.2	85.0	88.2	91.8
Low-end servers	96.7	104.1	119.5	138.8	165.0	194.8
Standard Intel servers	59.9	65.1	75.3	88.6	103.5	118.9
Other low-end servers	36.8	39.0	44.2	50.2	61.6	75.9
Personal computers	876.1	937.9	1,023.8	1,155.0	1,298.7	1,450.2
Traditional workstations	10.5	11.1	11.4	11.5	11.5	11.5
Systems total	1,056.3	1,131.6	1,241.3	1,398.7	1,571.9	1,756.2
Storage						
Disk systems	45.9	45.1	47.7	53.7	57.8	60.7
Tape	3.0	3.0	3.0	3.5	4.3	4.6
Fibre Channel	5.8	8.0	10.0	13.0	16.7	20.8
Storage total	54.7	56.1	60.8	70.1	78.8	86.1
Peripherals						
Printers	106.1	92.0	94.0	97.8	99.8	100.5
Smart handheld devices	16.3	25.1	36.6	51.3	71.7	98.6
Other add-ons	70.5	75.8	83.3	93.3	104.4	116.0
Peripherals total	192.9	193.0	214.0	242.4	275.9	315.1
Networking equipment	176.7	196.4	243.9	307.6	377.6	442.8
Hardware total	1,480.6	1,577.1	1,760.0	2,018.9	2,304.3	2,600.3
Packaged software total	344.6	384.6	439.1	512.0	602.4	706.8
Services total	386.7	461.0	552.4	667.5	811.0	984.8
Total IT	2,211.9	2,422.6	2,751.5	3,198.5	3,717.6	4,291.9

Source: IDC, June 2002

Table 257
Growth in IT Spending in Malaysia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	21.3	23.5	23.8	24.3	24.6	24.0
Implementation	16.9	19.2	20.5	20.8	20.4	20.2
Support services	18.4	16.5	17.7	18.4	18.2	17.7
Operations management	22.1	22.6	22.9	22.7	22.5	22.7
Training and education	19.2	21.1	22.8	24.9	25.8	23.6
Services total	19.2	19.8	20.9	21.5	21.4	20.9
Packaged software						
System infrastructure software	15.0	18.5	19.6	19.5	19.3	19.2
Appl. development and deployment	11.5	17.5	19.7	18.3	17.5	18.2
Applications	10.2	11.1	14.1	16.5	16.3	14.5
Packaged software total	11.6	14.2	16.6	17.6	17.3	16.4
Hardware						
Systems						
High-end servers	143.6	59.9	-32.9	0.7	-7.1	0.1
Midrange servers	1.1	5.1	14.5	3.8	4.1	6.8
Low-end servers	7.7	14.7	16.2	18.8	18.1	17.0
Standard Intel servers	8.6	15.7	17.8	16.7	14.9	16.3
Other low-end servers	6.2	13.2	13.7	22.6	23.3	18.1
Personal computers	7.1	9.2	12.8	12.4	11.7	11.5
Traditional workstations	6.2	2.9	0.9	0.1	0.1	1.0
Systems total	7.1	9.7	12.7	12.4	11.7	11.6
Storage						
Disk systems	-1.7	5.8	12.4	7.7	5.0	7.7
Tape	-2.3	2.3	15.3	22.0	6.7	11.3
Fibre Channel	38.8	24.8	29.4	29.0	24.7	27.0
Storage total	2.6	8.3	15.4	12.4	9.3	11.3
Peripherals						
Printers	-13.3	2.1	4.1	2.0	0.7	2.2
Smart handheld devices	53.8	45.7	40.2	39.8	37.4	40.7
Other add-ons	7.6	9.9	11.9	11.9	11.2	11.2
Peripherals total	0.0	10.9	13.3	13.8	14.2	13.0
Networking equipment	11.1	24.2	26.1	22.7	17.3	22.5
Hardware total	6.5	11.6	14.7	14.1	12.8	13.3
Packaged software total	11.6	14.2	16.6	17.6	17.3	16.4
Services total	19.2	19.8	20.9	21.5	21.4	20.9
Total IT	9.5	13.6	16.2	16.2	15.4	15.4

Source: IDC, June 2002

Table 258
Proportions of IT Spending Categories in Malaysia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.1	2.3	2.5	2.7	2.9	3.1
Implementation	4.6	4.9	5.2	5.4	5.6	5.8
Support services	5.3	5.7	5.9	5.9	6.0	6.2
Operations management	3.5	3.9	4.2	4.4	4.6	4.9
Training and education	2.0	2.2	2.4	2.5	2.7	2.9
Services total	17.5	19.0	20.1	20.9	21.8	22.9
Packaged software						
System infrastructure software	3.7	3.9	4.1	4.2	4.3	4.4
Appl. development and deployment	3.0	3.1	3.2	3.3	3.4	3.4
Applications	8.8	8.9	8.7	8.5	8.6	8.6
Packaged software total	15.6	15.9	16.0	16.0	16.2	16.5
Hardware						
Systems						
High-end servers	0.1	0.3	0.5	0.3	0.2	0.2
Midrange servers	3.2	2.9	2.7	2.7	2.4	2.1
Low-end servers	4.4	4.3	4.3	4.3	4.4	4.5
Standard Intel servers	2.7	2.7	2.7	2.8	2.8	2.8
Other low-end servers	1.7	1.6	1.6	1.6	1.7	1.8
Personal computers	39.6	38.7	37.2	36.1	34.9	33.8
Traditional workstations	0.5	0.5	0.4	0.4	0.3	0.3
Systems total	47.8	46.7	45.1	43.7	42.3	40.9
Storage						
Disk systems	2.1	1.9	1.7	1.7	1.6	1.4
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.3	0.3	0.4	0.4	0.4	0.5
Storage total	2.5	2.3	2.2	2.2	2.1	2.0
Peripherals						
Printers	4.8	3.8	3.4	3.1	2.7	2.3
Smart handheld devices	0.7	1.0	1.3	1.6	1.9	2.3
Other add-ons	3.2	3.1	3.0	2.9	2.8	2.7
Peripherals total	8.7	8.0	7.8	7.6	7.4	7.3
Networking equipment	8.0	8.1	8.9	9.6	10.2	10.3
Hardware total	66.9	65.1	64.0	63.1	62.0	60.6
Packaged software total	15.6	15.9	16.0	16.0	16.2	16.5
Services total	17.5	19.0	20.1	20.9	21.8	22.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 259

Malaysia Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.8	0.9	1.0	1.0	1.1	1.1
Implementation	0.7	0.7	0.8	0.8	0.9	0.9
Support services	1.0	1.1	1.2	1.3	1.4	1.5
Operations management	0.3	0.3	0.4	0.4	0.4	0.5
Training and education	1.2	1.3	1.4	1.6	1.8	2.0
Services total	0.6	0.7	0.7	0.8	0.9	0.9
Packaged software						
System infrastructure software	1.1	1.1	1.2	1.2	1.3	1.3
Appl. development and deployment	1.2	1.3	1.3	1.4	1.4	1.4
Applications	2.0	2.0	1.9	1.9	1.9	1.8
Packaged software total	1.5	1.5	1.5	1.6	1.6	1.5
Hardware						
Systems						
High-end servers	0.1	0.4	0.6	0.4	0.5	0.4
Midrange servers	1.9	1.7	1.7	1.8	1.7	1.7
Low-end servers	1.3	1.4	1.4	1.5	1.6	1.8
Standard Intel servers	1.3	1.3	1.4	1.4	1.5	1.6
Other low-end servers	1.4	1.4	1.5	1.6	1.8	2.2
Personal computers	2.0	2.4	2.4	2.3	2.3	2.4
Traditional workstations	1.4	1.6	1.9	2.1	2.4	2.7
Systems total	1.8	2.1	2.1	2.1	2.2	2.2
Storage						
Disk systems	0.8	0.7	0.7	0.8	0.8	0.8
Tape	1.4	1.3	1.1	1.1	1.2	1.2
Fibre Channel	1.4	1.3	1.1	1.1	1.2	1.2
Storage total	0.8	0.8	0.8	0.8	0.9	0.9
Peripherals						
Printers	1.8	1.5	1.4	1.4	1.4	1.4
Smart handheld devices	1.5	1.8	1.9	1.9	1.9	2.0
Other add-ons	1.8	2.1	2.1	2.1	2.1	2.2
Peripherals total	1.8	1.7	1.7	1.7	1.8	1.8
Networking equipment	1.4	1.3	1.4	1.5	1.6	1.6
Hardware total	1.7	1.8	1.8	1.8	1.9	2.0
Packaged software total	1.5	1.5	1.5	1.6	1.6	1.5
Services total	0.6	0.7	0.7	0.8	0.9	0.9
Total IT	1.3	1.4	1.4	1.4	1.5	1.5

Source: IDC, June 2002

Table 260
Malaysia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.2	0.2
Implementation	0.1	0.1	0.1	0.1	0.1	0.2
Support services	0.1	0.1	0.1	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.2	0.2	0.2	0.2	0.3	0.3
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.2	0.3	0.3
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.0	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.5	0.5	0.5	0.5	0.5	0.5
Low-end servers	0.3	0.3	0.4	0.4	0.4	0.5
Standard Intel servers	0.3	0.3	0.3	0.4	0.4	0.4
Other low-end servers	0.4	0.4	0.4	0.5	0.6	0.8
Personal computers	0.5	0.6	0.6	0.7	0.7	0.8
Traditional workstations	0.3	0.3	0.4	0.4	0.5	0.5
Systems total	0.5	0.5	0.6	0.6	0.6	0.7
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.2	0.2
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.3	0.3	0.2	0.2	0.3	0.3
Storage total	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.4	0.4	0.4	0.4	0.4	0.4
Smart handheld devices	0.3	0.3	0.4	0.5	0.6	0.7
Other add-ons	0.6	0.7	0.7	0.7	0.7	0.8
Peripherals total	0.4	0.4	0.5	0.5	0.5	0.6
Networking equipment	0.3	0.3	0.4	0.4	0.5	0.5
Hardware total	0.4	0.5	0.5	0.5	0.6	0.6
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.3	0.3	0.3	0.3

Source: IDC, June 2002

Table 261
IT Spending in New Zealand, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	112.3	119.6	129.2	133.6	143.1	149.2
Implementation	241.1	257.7	273.9	287.4	307.2	322.8
Support services	119.7	124.9	127.1	128.9	131.3	133.3
Operations management	324.4	351.8	367.6	384.9	406.3	424.9
Training and education	52.3	56.2	59.7	61.7	63.9	66.0
Services total	849.8	910.2	957.5	996.4	1,051.9	1,096.3
Packaged software						
System infrastructure software	124.6	136.9	148.1	156.2	162.7	165.6
Appl. development and deployment	74.6	79.1	83.4	87.0	91.6	96.8
Applications	145.3	148.9	152.2	156.1	163.2	173.0
Packaged software total	344.5	364.9	383.7	399.4	417.5	435.4
Hardware						
Systems						
High-end servers	2.4	1.2	3.6	2.3	1.1	2.3
Midrange servers	19.2	21.2	23.0	24.0	26.0	27.0
Low-end servers	61.3	63.8	67.5	77.5	89.6	93.6
Standard Intel servers	41.5	44.5	48.8	56.6	67.1	70.3
Other low-end servers	19.8	19.3	18.7	20.9	22.5	23.3
Personal computers	497.9	444.0	460.8	471.4	468.4	478.7
Traditional workstations	3.8	2.5	2.2	1.9	1.6	1.4
Systems total	584.6	532.8	557.1	577.2	586.7	602.9
Storage						
Disk systems	58.6	54.7	50.7	47.3	44.5	43.9
Tape	3.9	3.6	3.2	3.1	3.3	3.3
Fibre Channel	7.4	9.7	10.6	11.4	12.9	15.1
Storage total	69.8	68.0	64.6	61.8	60.7	62.2
Peripherals						
Printers	44.6	41.4	41.7	42.6	43.1	43.3
Smart handheld devices	7.7	16.8	35.9	55.3	64.9	79.7
Other add-ons	38.7	34.9	36.7	37.6	37.7	38.8
Peripherals total	91.0	93.1	114.3	135.5	145.7	161.8
Networking equipment	94.2	105.7	112.6	120.5	124.6	127.8
Hardware total	839.6	799.5	848.6	895.0	917.7	954.8
Packaged software total	344.5	364.9	383.7	399.4	417.5	435.4
Services total	849.8	910.2	957.5	996.4	1,051.9	1,096.3
Total IT	2,033.9	2,074.7	2,189.8	2,290.8	2,387.1	2,486.5

Source: IDC, June 2002

Table 262
Growth in IT Spending in New Zealand, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	6.5	8.1	3.4	7.2	4.3	5.7
Implementation	6.9	6.3	4.9	6.9	5.1	5.8
Support services	4.4	1.7	1.4	1.9	1.5	1.6
Operations management	8.5	4.5	4.7	5.6	4.6	4.8
Training and education	7.6	6.1	3.3	3.6	3.2	4.1
Services total	7.1	5.2	4.1	5.6	4.2	4.8
Packaged software						
System infrastructure software	9.9	8.1	5.5	4.1	1.8	4.9
Appl. development and deployment	6.0	5.4	4.4	5.3	5.6	5.2
Applications	2.5	2.2	2.6	4.5	6.0	3.8
Packaged software total	5.9	5.1	4.1	4.5	4.3	4.5
Hardware						
Systems						
High-end servers	-49.2	198.7	-37.6	-51.0	106.5	17.2
Midrange servers	10.3	8.6	4.4	8.3	3.6	6.2
Low-end servers	4.0	5.9	14.8	15.6	4.4	10.1
Standard Intel servers	7.1	9.9	15.9	18.5	4.8	12.1
Other low-end servers	-2.6	-3.3	12.1	7.5	3.3	4.7
Personal computers	-10.8	3.8	2.3	-0.6	2.2	1.9
Traditional workstations	-33.3	-13.6	-13.5	-15.0	-15.0	-14.3
Systems total	-8.9	4.6	3.6	1.7	2.8	3.1
Storage						
Disk systems	-6.6	-7.2	-6.8	-5.9	-1.4	-5.4
Tape	-7.3	-10.2	-4.4	6.6	0.2	-2.1
Fibre Channel	31.8	9.5	7.3	12.7	17.2	11.6
Storage total	-2.6	-5.0	-4.3	-1.9	2.6	-2.2
Peripherals						
Printers	-7.3	0.9	2.1	1.2	0.5	1.2
Smart handheld devices	119.1	113.5	54.1	17.4	22.7	47.6
Other add-ons	-9.8	5.1	2.4	0.3	2.9	2.7
Peripherals total	2.3	22.8	18.5	7.6	11.0	14.8
Networking equipment	12.2	6.5	7.0	3.3	2.6	4.9
Hardware total	-4.8	6.1	5.5	2.5	4.0	4.5
Packaged software total	5.9	5.1	4.1	4.5	4.3	4.5
Services total	7.1	5.2	4.1	5.6	4.2	4.8
Total IT	2.0	5.5	4.6	4.2	4.2	4.6

Source: IDC, June 2002

Table 263
Proportions of IT Spending Categories in New Zealand, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.5	5.8	5.9	5.8	6.0	6.0
Implementation	11.9	12.4	12.5	12.5	12.9	13.0
Support services	5.9	6.0	5.8	5.6	5.5	5.4
Operations management	15.9	17.0	16.8	16.8	17.0	17.1
Training and education	2.6	2.7	2.7	2.7	2.7	2.7
Services total	41.8	43.9	43.7	43.5	44.1	44.1
Packaged software						
System infrastructure software	6.1	6.6	6.8	6.8	6.8	6.7
Appl. development and deployment	3.7	3.8	3.8	3.8	3.8	3.9
Applications	7.1	7.2	7.0	6.8	6.8	7.0
Packaged software total	16.9	17.6	17.5	17.4	17.5	17.5
Hardware						
Systems						
High-end servers	0.1	0.1	0.2	0.1	0.0	0.1
Midrange servers	0.9	1.0	1.1	1.0	1.1	1.1
Low-end servers	3.0	3.1	3.1	3.4	3.8	3.8
Standard Intel servers	2.0	2.1	2.2	2.5	2.8	2.8
Other low-end servers	1.0	0.9	0.9	0.9	0.9	0.9
Personal computers	24.5	21.4	21.0	20.6	19.6	19.3
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.1
Systems total	28.7	25.7	25.4	25.2	24.6	24.2
Storage						
Disk systems	2.9	2.6	2.3	2.1	1.9	1.8
Tape	0.2	0.2	0.1	0.1	0.1	0.1
Fibre Channel	0.4	0.5	0.5	0.5	0.5	0.6
Storage total	3.4	3.3	3.0	2.7	2.5	2.5
Peripherals						
Printers	2.2	2.0	1.9	1.9	1.8	1.7
Smart handheld devices	0.4	0.8	1.6	2.4	2.7	3.2
Other add-ons	1.9	1.7	1.7	1.6	1.6	1.6
Peripherals total	4.5	4.5	5.2	5.9	6.1	6.5
Networking equipment	4.6	5.1	5.1	5.3	5.2	5.1
Hardware total	41.3	38.5	38.8	39.1	38.4	38.4
Packaged software total	16.9	17.6	17.5	17.4	17.5	17.5
Services total	41.8	43.9	43.7	43.5	44.1	44.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 264
New Zealand Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.0	1.9	1.8	1.6	1.4	1.2
Implementation	1.6	1.5	1.5	1.4	1.3	1.2
Support services	1.0	1.0	1.0	0.9	0.8	0.7
Operations management	1.3	1.3	1.2	1.1	1.0	1.0
Training and education	1.4	1.4	1.3	1.2	1.2	1.0
Services total	1.4	1.4	1.3	1.2	1.1	1.0
Packaged software						
System infrastructure software	1.7	1.7	1.6	1.5	1.3	1.1
Appl. development and deployment	1.4	1.3	1.2	1.1	1.0	0.9
Applications	1.5	1.4	1.2	1.1	1.0	0.8
Packaged software total	1.5	1.4	1.3	1.2	1.1	1.0
Hardware						
Systems						
High-end servers	0.1	0.1	0.2	0.1	0.1	0.1
Midrange servers	0.5	0.5	0.5	0.5	0.5	0.5
Low-end servers	0.8	0.8	0.8	0.8	0.9	0.9
Standard Intel servers	0.9	0.9	0.9	0.9	1.0	0.9
Other low-end servers	0.7	0.7	0.6	0.7	0.7	0.7
Personal computers	1.2	1.1	1.1	0.9	0.8	0.8
Traditional workstations	0.5	0.4	0.4	0.3	0.3	0.3
Systems total	1.0	1.0	0.9	0.9	0.8	0.8
Storage						
Disk systems	1.0	0.9	0.8	0.7	0.6	0.6
Tape	1.8	1.5	1.2	1.0	0.9	0.8
Fibre Channel	1.8	1.5	1.2	1.0	0.9	0.8
Storage total	1.0	1.0	0.8	0.7	0.7	0.6
Peripherals						
Printers	0.8	0.7	0.6	0.6	0.6	0.6
Smart handheld devices	0.7	1.2	1.9	2.0	1.7	1.6
Other add-ons	1.0	1.0	0.9	0.8	0.8	0.7
Peripherals total	0.8	0.8	0.9	1.0	0.9	0.9
Networking equipment	0.8	0.7	0.7	0.6	0.5	0.5
Hardware total	1.0	0.9	0.9	0.8	0.8	0.7
Packaged software total	1.5	1.4	1.3	1.2	1.1	1.0
Services total	1.4	1.4	1.3	1.2	1.1	1.0
Total IT	1.2	1.2	1.1	1.0	0.9	0.9

Source: IDC, June 2002

Table 265
New Zealand Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.2	0.2	0.2	0.2	0.2	0.2
Training and education	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.1	0.1
Applications	0.2	0.2	0.2	0.1	0.1	0.1
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.1
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Midrange servers	0.1	0.2	0.2	0.2	0.1	0.1
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.2	0.2	0.2	0.2
Other low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Personal computers	0.3	0.3	0.3	0.3	0.3	0.3
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.3	0.3	0.3	0.2	0.2	0.2
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.1	0.1
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.4	0.3	0.3	0.2	0.2	0.2
Storage total	0.2	0.2	0.2	0.2	0.1	0.1
Peripherals						
Printers	0.2	0.2	0.2	0.2	0.2	0.2
Smart handheld devices	0.1	0.2	0.4	0.6	0.6	0.6
Other add-ons	0.3	0.3	0.3	0.3	0.3	0.3
Peripherals total	0.2	0.2	0.2	0.3	0.3	0.3
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.1
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 266
IT Spending in the Philippines, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	45.9	55.3	67.8	86.0	111.9	149.3
Implementation	109.0	134.2	168.1	213.4	275.8	362.5
Support services	59.2	68.9	81.8	98.9	121.0	148.8
Operations management	55.9	65.9	78.0	94.8	115.7	141.5
Training and education	27.0	32.5	39.0	49.3	64.0	83.9
Services total	296.9	356.7	434.7	542.4	688.5	886.1
Packaged software						
System infrastructure software	35.3	41.7	49.9	59.9	71.3	84.8
Appl. development and deployment	19.5	21.6	25.3	29.8	34.8	40.5
Applications	63.0	70.1	79.6	92.7	110.6	131.3
Packaged software total	117.8	133.4	154.8	182.3	216.8	256.6
Hardware						
Systems						
High-end servers	2.9	4.8	5.8	4.4	5.9	5.6
Midrange servers	24.2	24.6	27.3	30.4	31.1	34.1
Low-end servers	43.5	55.2	67.3	78.6	88.7	94.0
Standard Intel servers	31.6	41.3	51.4	60.0	68.4	71.8
Other low-end servers	11.9	13.9	15.9	18.6	20.3	22.2
Personal computers	316.2	300.9	374.0	440.3	506.4	565.2
Traditional workstations	1.9	1.9	1.8	1.7	1.6	1.4
Systems total	388.7	387.5	476.1	555.4	633.7	700.4
Storage						
Disk systems	27.3	27.3	28.5	29.9	31.8	33.3
Tape	1.8	1.8	1.8	2.0	2.4	2.5
Fibre Channel	3.4	4.8	6.0	7.2	9.2	11.4
Storage total	32.6	33.9	36.3	39.1	43.3	47.2
Peripherals						
Printers	40.7	39.2	39.3	39.7	39.8	40.3
Smart handheld devices	6.6	9.9	15.3	21.5	38.9	53.5
Other add-ons	25.8	25.4	31.2	36.2	41.4	45.9
Peripherals total	73.1	74.5	85.9	97.4	120.1	139.7
Networking equipment	82.5	94.0	113.6	136.4	163.3	191.6
Hardware total	576.8	589.9	711.8	828.4	960.5	1,078.8
Packaged software total	117.8	133.4	154.8	182.3	216.8	256.6
Services total	296.9	356.7	434.7	542.4	688.5	886.1
Total IT	991.5	1,080.1	1,301.3	1,553.1	1,865.7	2,221.6

Source: IDC, June 2002

Table 267
Growth in IT Spending in the Philippines, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	20.5	22.7	26.8	30.2	33.5	28.2
Implementation	23.1	25.3	26.9	29.3	31.4	28.2
Support services	16.4	18.7	21.0	22.4	23.0	21.2
Operations management	17.8	18.4	21.5	22.0	22.3	21.1
Training and education	20.5	20.1	26.5	29.8	31.0	26.8
Services total	20.1	21.9	24.8	26.9	28.7	25.5
Packaged software						
System infrastructure software	18.0	19.7	20.0	19.2	18.8	19.4
Appl. development and deployment	11.2	16.8	17.8	17.0	16.5	17.0
Applications	11.2	13.6	16.4	19.4	18.7	17.0
Packaged software total	13.2	16.0	17.8	18.9	18.4	17.8
Hardware						
Systems						
High-end servers	68.1	20.8	-23.8	33.3	-5.7	3.7
Midrange servers	1.8	10.8	11.4	2.4	9.7	8.5
Low-end servers	26.9	21.8	16.9	12.8	6.0	14.2
Standard Intel servers	30.5	24.5	16.7	14.1	5.0	14.8
Other low-end servers	17.5	13.9	17.3	8.9	9.7	12.4
Personal computers	-4.8	24.3	17.7	15.0	11.6	17.1
Traditional workstations	1.7	-4.9	-6.6	-7.5	-7.5	-6.7
Systems total	-0.3	22.9	16.7	14.1	10.5	15.9
Storage						
Disk systems	-0.2	4.4	5.1	6.1	4.8	5.1
Tape	-0.9	1.0	7.8	20.2	6.5	8.7
Fibre Channel	40.8	23.2	21.0	27.1	24.6	24.0
Storage total	4.1	6.9	7.9	10.7	9.1	8.6
Peripherals						
Printers	-3.6	0.3	0.8	0.3	1.2	0.7
Smart handheld devices	50.5	54.3	40.8	80.6	37.6	52.4
Other add-ons	-1.5	22.9	16.0	14.4	10.7	15.9
Peripherals total	2.0	15.2	13.5	23.3	16.3	17.0
Networking equipment	14.0	20.8	20.1	19.7	17.3	19.5
Hardware total	2.3	20.7	16.4	15.9	12.3	16.3
Packaged software total	13.2	16.0	17.8	18.9	18.4	17.8
Services total	20.1	21.9	24.8	26.9	28.7	25.5
Total IT	8.9	20.5	19.3	20.1	19.1	19.8

Source: IDC, June 2002

Table 268
Proportions of IT Spending Categories in the Philippines, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.6	5.1	5.2	5.5	6.0	6.7
Implementation	11.0	12.4	12.9	13.7	14.8	16.3
Support services	6.0	6.4	6.3	6.4	6.5	6.7
Operations management	5.6	6.1	6.0	6.1	6.2	6.4
Training and education	2.7	3.0	3.0	3.2	3.4	3.8
Services total	29.9	33.0	33.4	34.9	36.9	39.9
Packaged software						
System infrastructure software	3.6	3.9	3.8	3.9	3.8	3.8
Appl. development and deployment	2.0	2.0	1.9	1.9	1.9	1.8
Applications	6.4	6.5	6.1	6.0	5.9	5.9
Packaged software total	11.9	12.4	11.9	11.7	11.6	11.6
Hardware						
Systems						
High-end servers	0.3	0.4	0.4	0.3	0.3	0.3
Midrange servers	2.4	2.3	2.1	2.0	1.7	1.5
Low-end servers	4.4	5.1	5.2	5.1	4.8	4.2
Standard Intel servers	3.2	3.8	3.9	3.9	3.7	3.2
Other low-end servers	1.2	1.3	1.2	1.2	1.1	1.0
Personal computers	31.9	27.9	28.7	28.4	27.1	25.4
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	39.2	35.9	36.6	35.8	34.0	31.5
Storage						
Disk systems	2.8	2.5	2.2	1.9	1.7	1.5
Tape	0.2	0.2	0.1	0.1	0.1	0.1
Fibre Channel	0.3	0.4	0.5	0.5	0.5	0.5
Storage total	3.3	3.1	2.8	2.5	2.3	2.1
Peripherals						
Printers	4.1	3.6	3.0	2.6	2.1	1.8
Smart handheld devices	0.7	0.9	1.2	1.4	2.1	2.4
Other add-ons	2.6	2.4	2.4	2.3	2.2	2.1
Peripherals total	7.4	6.9	6.6	6.3	6.4	6.3
Networking equipment	8.3	8.7	8.7	8.8	8.8	8.6
Hardware total	58.2	54.6	54.7	53.3	51.5	48.6
Packaged software total	11.9	12.4	11.9	11.7	11.6	11.6
Services total	29.9	33.0	33.4	34.9	36.9	39.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 269
Philippines Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.8	0.9	0.9	1.0	1.1	1.2
Implementation	0.7	0.8	0.9	1.0	1.2	1.3
Support services	0.5	0.5	0.6	0.7	0.8	0.8
Operations management	0.2	0.2	0.3	0.3	0.3	0.3
Training and education	0.7	0.8	0.9	1.0	1.2	1.3
Services total	0.5	0.5	0.6	0.7	0.7	0.8
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.6	0.6	0.6
Appl. development and deployment	0.4	0.4	0.4	0.4	0.4	0.4
Applications	0.6	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.5	0.5	0.5	0.6	0.6	0.6
Hardware						
Systems						
High-end servers	0.1	0.2	0.3	0.2	0.3	0.3
Midrange servers	0.6	0.6	0.6	0.6	0.6	0.6
Low-end servers	0.6	0.7	0.8	0.8	0.9	0.9
Standard Intel servers	0.7	0.8	0.9	1.0	1.0	1.0
Other low-end servers	0.4	0.5	0.5	0.6	0.6	0.6
Personal computers	0.7	0.8	0.9	0.9	0.9	0.9
Traditional workstations	0.2	0.3	0.3	0.3	0.3	0.3
Systems total	0.7	0.7	0.8	0.8	0.9	0.9
Storage						
Disk systems	0.5	0.4	0.4	0.4	0.4	0.4
Tape	0.8	0.8	0.7	0.6	0.6	0.6
Fibre Channel	0.8	0.8	0.7	0.6	0.6	0.6
Storage total	0.5	0.5	0.5	0.5	0.5	0.5
Peripherals						
Printers	0.7	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.6	0.7	0.8	0.8	1.0	1.1
Other add-ons	0.7	0.7	0.8	0.8	0.8	0.9
Peripherals total	0.7	0.7	0.7	0.7	0.8	0.8
Networking equipment	0.7	0.6	0.7	0.7	0.7	0.7
Hardware total	0.7	0.7	0.7	0.8	0.8	0.8
Packaged software total	0.5	0.5	0.5	0.6	0.6	0.6
Services total	0.5	0.5	0.6	0.7	0.7	0.8
Total IT	0.6	0.6	0.7	0.7	0.7	0.8

Source: IDC, June 2002

Table 270
Philippines Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.2	0.2
Implementation	0.1	0.1	0.1	0.2	0.2	0.2
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.0	0.0	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	0.1	0.1	0.0	0.1	0.1
Midrange servers	0.2	0.2	0.2	0.2	0.2	0.2
Low-end servers	0.1	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.2	0.2	0.3	0.2
Other low-end servers	0.1	0.1	0.2	0.2	0.2	0.2
Personal computers	0.2	0.2	0.2	0.3	0.3	0.3
Traditional workstations	0.0	0.1	0.1	0.1	0.1	0.1
Systems total	0.2	0.2	0.2	0.2	0.3	0.3
Storage						
Disk systems	0.1	0.1	0.1	0.1	0.1	0.1
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.2	0.2	0.1	0.1	0.1	0.1
Storage total	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals						
Printers	0.2	0.2	0.2	0.2	0.1	0.1
Smart handheld devices	0.1	0.1	0.2	0.2	0.3	0.4
Other add-ons	0.2	0.2	0.3	0.3	0.3	0.3
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.3
Networking equipment	0.1	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.1	0.1	0.1	0.1	0.1	0.2

Source: IDC, June 2002

Table 271
IT Spending in the Rest of Asia/Pacific, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	23.6	27.9	32.8	39.2	47.0	53.8
Implementation	46.0	55.4	64.7	74.4	85.7	96.0
Support services	47.6	57.4	67.2	76.0	86.4	95.7
Operations management	20.8	27.2	34.5	44.4	58.0	69.2
Training and education	22.0	25.7	29.5	34.7	40.9	46.4
Services total	160.0	193.6	228.6	268.7	317.9	361.1
Packaged software						
System infrastructure software	40.1	47.1	56.7	68.0	80.6	95.8
Appl. development and deployment	22.3	24.9	29.1	34.5	40.6	50.0
Applications	40.3	43.6	49.4	58.3	71.0	90.0
Packaged software total	102.6	115.6	135.2	160.8	192.2	235.8
Hardware						
Systems						
High-end servers	15.8	11.9	13.3	12.0	14.4	11.9
Midrange servers	31.2	34.1	36.4	43.8	50.2	53.7
Low-end servers	82.4	73.7	79.1	93.3	114.9	135.4
Standard Intel servers	16.1	17.4	20.2	26.4	36.6	46.8
Other low-end servers	66.2	56.3	58.9	67.0	78.3	88.6
Personal computers	265.4	265.7	333.0	474.1	607.3	760.5
Traditional workstations	6.3	6.1	6.7	7.7	8.9	9.6
Systems total	401.1	391.6	468.5	630.9	795.7	971.0
Storage						
Disk systems	60.1	56.4	62.6	73.1	85.0	92.0
Tape	4.0	3.7	4.0	4.8	6.3	6.9
Fibre Channel	7.6	10.0	13.1	17.6	24.6	31.6
Storage total	71.6	70.1	79.7	95.5	115.9	130.5
Peripherals						
Printers	65.0	60.8	63.0	66.3	69.5	70.3
Smart handheld devices	10.2	11.5	14.4	17.0	24.5	33.1
Other add-ons	26.2	25.5	30.8	41.5	52.4	63.6
Peripherals total	101.3	97.8	108.2	124.7	146.4	167.0
Networking equipment	68.3	71.7	78.8	90.8	106.0	124.5
Hardware total	642.4	631.2	735.2	941.8	1,164.1	1,393.0
Packaged software total	102.6	115.6	135.2	160.8	192.2	235.8
Services total	160.0	193.6	228.6	268.7	317.9	361.1
Total IT	905.1	940.5	1,099.0	1,371.3	1,674.2	1,989.8

Source: IDC, June 2002

Table 272

Growth in IT Spending in the Rest of Asia/Pacific, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	18.1	17.5	19.5	19.9	14.6	17.8
Implementation	20.5	16.7	15.0	15.2	11.9	14.7
Support services	20.7	17.0	13.1	13.6	10.8	13.6
Operations management	30.5	26.9	28.8	30.7	19.2	26.3
Training and education	16.6	14.8	17.8	17.8	13.6	15.9
Services total	21.0	18.1	17.5	18.3	13.6	16.9
Packaged software						
System infrastructure software	17.6	20.3	19.9	18.6	18.8	19.4
Appl. development and deployment	12.0	16.8	18.6	17.5	23.2	19.0
Applications	8.2	13.3	18.1	21.8	26.7	19.9
Packaged software total	12.7	16.9	19.0	19.5	22.6	19.5
Hardware						
Systems						
High-end servers	-24.7	11.6	-10.1	20.4	-17.3	0.0
Midrange servers	9.3	6.7	20.2	14.7	7.0	12.0
Low-end servers	-10.4	7.2	18.0	23.1	17.8	16.4
Standard Intel servers	8.0	16.2	30.3	38.9	27.9	28.1
Other low-end servers	-14.9	4.5	13.8	16.9	13.1	12.0
Personal computers	0.1	25.3	42.4	28.1	25.2	30.1
Traditional workstations	-2.0	9.5	14.6	15.3	7.9	11.8
Systems total	-2.4	19.6	34.7	26.1	22.0	25.5
Storage						
Disk systems	-6.2	11.1	16.7	16.4	8.2	13.0
Tape	-6.9	7.5	19.7	31.8	10.0	16.9
Fibre Channel	32.4	31.1	34.4	39.4	28.6	33.3
Storage total	-2.2	13.7	19.8	21.4	12.6	16.8
Peripherals						
Printers	-6.5	3.7	5.2	4.8	1.2	3.7
Smart handheld devices	12.9	25.7	17.6	44.7	34.9	30.3
Other add-ons	-2.4	20.7	34.7	26.2	21.5	25.7
Peripherals total	-3.5	10.7	15.3	17.4	14.1	14.3
Networking equipment	5.0	9.8	15.2	16.8	17.4	14.8
Hardware total	-1.7	16.5	28.1	23.6	19.7	21.9
Packaged software total	12.7	16.9	19.0	19.5	22.6	19.5
Services total	21.0	18.1	17.5	18.3	13.6	16.9
Total IT	3.9	16.9	24.8	22.1	18.8	20.6

Source: IDC, June 2002

Table 273

Proportions of IT Spending Categories in the Rest of Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.6	3.0	3.0	2.9	2.8	2.7
Implementation	5.1	5.9	5.9	5.4	5.1	4.8
Support services	5.3	6.1	6.1	5.5	5.2	4.8
Operations management	2.3	2.9	3.1	3.2	3.5	3.5
Training and education	2.4	2.7	2.7	2.5	2.4	2.3
Services total	17.7	20.6	20.8	19.6	19.0	18.1
Packaged software						
System infrastructure software	4.4	5.0	5.2	5.0	4.8	4.8
Appl. development and deployment	2.5	2.7	2.6	2.5	2.4	2.5
Applications	4.5	4.6	4.5	4.3	4.2	4.5
Packaged software total	11.3	12.3	12.3	11.7	11.5	11.8
Hardware						
Systems						
High-end servers	1.7	1.3	1.2	0.9	0.9	0.6
Midrange servers	3.4	3.6	3.3	3.2	3.0	2.7
Low-end servers	9.1	7.8	7.2	6.8	6.9	6.8
Standard Intel servers	1.8	1.9	1.8	1.9	2.2	2.4
Other low-end servers	7.3	6.0	5.4	4.9	4.7	4.5
Personal computers	29.3	28.3	30.3	34.6	36.3	38.2
Traditional workstations	0.7	0.7	0.6	0.6	0.5	0.5
Systems total	44.3	41.6	42.6	46.0	47.5	48.8
Storage						
Disk systems	6.6	6.0	5.7	5.3	5.1	4.6
Tape	0.4	0.4	0.4	0.3	0.4	0.3
Fibre Channel	0.8	1.1	1.2	1.3	1.5	1.6
Storage total	7.9	7.5	7.3	7.0	6.9	6.6
Peripherals						
Printers	7.2	6.5	5.7	4.8	4.1	3.5
Smart handheld devices	1.1	1.2	1.3	1.2	1.5	1.7
Other add-ons	2.9	2.7	2.8	3.0	3.1	3.2
Peripherals total	11.2	10.4	9.8	9.1	8.7	8.4
Networking equipment	7.5	7.6	7.2	6.6	6.3	6.3
Hardware total	71.0	67.1	66.9	68.7	69.5	70.0
Packaged software total	11.3	12.3	12.3	11.7	11.5	11.8
Services total	17.7	20.6	20.8	19.6	19.0	18.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 274

Rest of Asia/Pacific Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.4	0.4	0.5	0.5	0.5	0.4
Implementation	0.3	0.3	0.4	0.4	0.4	0.4
Support services	0.4	0.5	0.5	0.5	0.5	0.5
Operations management	0.1	0.1	0.1	0.1	0.1	0.2
Training and education	0.6	0.6	0.7	0.7	0.7	0.7
Services total	0.3	0.3	0.3	0.3	0.3	0.3
Packaged software						
System infrastructure software	0.5	0.6	0.6	0.6	0.6	0.7
Appl. development and deployment	0.4	0.4	0.4	0.4	0.4	0.5
Applications	0.4	0.4	0.4	0.4	0.4	0.4
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Hardware						
Systems						
High-end servers	0.6	0.6	0.7	0.6	0.8	0.7
Midrange servers	0.8	0.8	0.8	0.9	1.0	1.0
Low-end servers	1.1	1.0	0.9	1.0	1.1	1.2
Standard Intel servers	0.3	0.4	0.4	0.4	0.5	0.6
Other low-end servers	2.5	2.1	2.0	2.1	2.3	2.6
Personal computers	0.6	0.7	0.8	0.9	1.1	1.3
Traditional workstations	0.8	0.9	1.1	1.4	1.8	2.2
Systems total	0.7	0.7	0.8	0.9	1.1	1.2
Storage						
Disk systems	1.0	0.9	1.0	1.1	1.2	1.2
Tape	1.9	1.6	1.5	1.5	1.7	1.8
Fibre Channel	1.9	1.6	1.5	1.5	1.7	1.8
Storage total	1.1	1.0	1.0	1.1	1.3	1.3
Peripherals						
Printers	1.1	1.0	1.0	1.0	1.0	1.0
Smart handheld devices	0.9	0.8	0.7	0.6	0.7	0.7
Other add-ons	0.7	0.7	0.8	0.9	1.1	1.2
Peripherals total	0.9	0.9	0.9	0.9	0.9	1.0
Networking equipment	0.6	0.5	0.5	0.4	0.5	0.5
Hardware total	0.7	0.7	0.8	0.9	1.0	1.0
Packaged software total	0.5	0.5	0.5	0.5	0.5	0.5
Services total	0.3	0.3	0.3	0.3	0.3	0.3
Total IT	0.5	0.5	0.6	0.6	0.7	0.7

Source: IDC, June 2002

Table 275

Rest of Asia/Pacific Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.0	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.0	0.0	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.2	0.3	0.3	0.3	0.3	0.3
Low-end servers	0.3	0.2	0.2	0.3	0.3	0.3
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.2
Other low-end servers	0.7	0.6	0.6	0.7	0.8	0.9
Personal computers	0.2	0.2	0.2	0.3	0.3	0.4
Traditional workstations	0.2	0.2	0.2	0.3	0.4	0.5
Systems total	0.2	0.2	0.2	0.3	0.3	0.4
Storage						
Disk systems	0.2	0.2	0.2	0.3	0.3	0.3
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.4	0.3	0.3	0.3	0.4	0.4
Storage total	0.2	0.2	0.2	0.2	0.3	0.3
Peripherals						
Printers	0.3	0.2	0.2	0.3	0.3	0.3
Smart handheld devices	0.2	0.2	0.2	0.2	0.2	0.3
Other add-ons	0.2	0.2	0.3	0.3	0.4	0.4
Peripherals total	0.2	0.2	0.2	0.3	0.3	0.3
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.2	0.2	0.2	0.2	0.3	0.3
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.1	0.1
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 276
IT Spending in Singapore, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	130.0	141.2	159.1	188.8	225.0	256.9
Implementation	335.7	356.0	389.0	438.4	491.5	542.1
Support services	243.0	268.9	309.4	359.2	412.0	462.8
Operations management	323.1	418.9	520.6	661.5	822.2	969.7
Training and education	157.9	181.9	208.8	239.0	264.8	293.6
Services total	1,189.8	1,367.0	1,586.8	1,887.0	2,215.4	2,525.0
Packaged software						
System infrastructure software	146.0	175.3	207.4	252.6	313.2	393.6
Appl. development and deployment	126.8	146.0	176.3	217.5	264.6	311.9
Applications	329.5	374.5	426.3	494.1	580.8	698.8
Packaged software total	602.3	695.8	810.1	964.3	1,158.7	1,404.3
Hardware						
Systems						
High-end servers	37.5	25.4	27.0	23.5	20.3	15.7
Midrange servers	95.9	116.7	126.3	142.0	156.1	171.2
Low-end servers	147.8	154.2	165.6	176.9	185.3	191.6
Standard Intel servers	84.6	86.7	95.3	102.1	107.2	110.9
Other low-end servers	63.2	67.5	70.3	74.8	78.1	80.6
Personal computers	675.1	675.0	678.2	700.9	716.9	729.2
Traditional workstations	14.1	13.4	12.9	12.5	11.8	11.2
Systems total	970.3	984.8	1,009.9	1,055.8	1,090.5	1,118.7
Storage						
Disk systems	85.7	90.5	98.0	101.7	109.8	117.6
Tape	5.7	6.0	6.2	6.6	8.1	8.9
Fibre Channel	10.8	16.1	20.5	24.5	31.7	40.4
Storage total	102.1	112.5	124.8	132.9	149.7	166.9
Peripherals						
Printers	68.3	63.2	64.3	67.1	68.6	69.2
Smart handheld devices	48.6	60.2	130.1	166.0	202.5	221.7
Other add-ons	64.8	64.7	66.2	68.8	70.8	72.2
Peripherals total	181.6	188.1	260.5	302.0	341.9	363.1
Networking equipment	285.9	303.7	363.1	427.9	496.9	559.7
Hardware total	1,539.9	1,589.0	1,758.4	1,918.5	2,078.9	2,208.4
Packaged software total	602.3	695.8	810.1	964.3	1,158.7	1,404.3
Services total	1,189.8	1,367.0	1,586.8	1,887.0	2,215.4	2,525.0
Total IT	3,332.0	3,651.8	4,155.3	4,769.8	5,453.1	6,137.6

Source: IDC, June 2002

Table 277
Growth in IT Spending in Singapore, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	8.6	12.6	18.7	19.2	14.2	16.1
Implementation	6.0	9.3	12.7	12.1	10.3	11.1
Support services	10.6	15.1	16.1	14.7	12.3	14.5
Operations management	29.7	24.3	27.1	24.3	17.9	23.3
Training and education	15.2	14.8	14.5	10.8	10.9	12.7
Services total	14.9	16.1	18.9	17.4	14.0	16.6
Packaged software						
System infrastructure software	20.1	18.3	21.8	24.0	25.7	22.4
Appl. development and deployment	15.1	20.8	23.4	21.7	17.9	20.9
Applications	13.6	13.8	15.9	17.6	20.3	16.9
Packaged software total	15.5	16.4	19.0	20.2	21.2	19.2
Hardware						
Systems						
High-end servers	-32.1	5.9	-12.8	-13.6	-22.9	-11.4
Midrange servers	21.7	8.2	12.5	9.9	9.7	10.0
Low-end servers	4.3	7.4	6.8	4.7	3.4	5.6
Standard Intel servers	2.5	9.9	7.2	5.0	3.5	6.4
Other low-end servers	6.8	4.1	6.3	4.4	3.3	4.5
Personal computers	0.0	0.5	3.3	2.3	1.7	1.9
Traditional workstations	-5.1	-3.6	-3.1	-5.0	-5.7	-4.4
Systems total	1.5	2.6	4.5	3.3	2.6	3.2
Storage						
Disk systems	5.6	8.4	3.8	8.0	7.1	6.8
Tape	4.9	4.8	6.4	22.3	8.9	10.4
Fibre Channel	49.1	27.9	19.4	29.3	27.3	25.9
Storage total	10.1	11.0	6.5	12.6	11.5	10.4
Peripherals						
Printers	-7.4	1.6	4.4	2.3	0.8	2.3
Smart handheld devices	24.0	116.1	27.7	22.0	9.5	38.5
Other add-ons	-0.1	2.4	3.9	2.9	2.1	2.8
Peripherals total	3.6	38.5	15.9	13.2	6.2	17.9
Networking equipment	6.2	19.6	17.8	16.1	12.6	16.5
Hardware total	3.2	10.7	9.1	8.4	6.2	8.6
Packaged software total	15.5	16.4	19.0	20.2	21.2	19.2
Services total	14.9	16.1	18.9	17.4	14.0	16.6
Total IT	9.6	13.8	14.8	14.3	12.6	13.9

Source: IDC, June 2002

Table 278
Proportions of IT Spending Categories in Singapore, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.9	3.9	3.8	4.0	4.1	4.2
Implementation	10.1	9.7	9.4	9.2	9.0	8.8
Support services	7.3	7.4	7.4	7.5	7.6	7.5
Operations management	9.7	11.5	12.5	13.9	15.1	15.8
Training and education	4.7	5.0	5.0	5.0	4.9	4.8
Services total	35.7	37.4	38.2	39.6	40.6	41.1
Packaged software						
System infrastructure software	4.4	4.8	5.0	5.3	5.7	6.4
Appl. development and deployment	3.8	4.0	4.2	4.6	4.9	5.1
Applications	9.9	10.3	10.3	10.4	10.7	11.4
Packaged software total	18.1	19.1	19.5	20.2	21.2	22.9
Hardware						
Systems						
High-end servers	1.1	0.7	0.6	0.5	0.4	0.3
Midrange servers	2.9	3.2	3.0	3.0	2.9	2.8
Low-end servers	4.4	4.2	4.0	3.7	3.4	3.1
Standard Intel servers	2.5	2.4	2.3	2.1	2.0	1.8
Other low-end servers	1.9	1.8	1.7	1.6	1.4	1.3
Personal computers	20.3	18.5	16.3	14.7	13.1	11.9
Traditional workstations	0.4	0.4	0.3	0.3	0.2	0.2
Systems total	29.1	27.0	24.3	22.1	20.0	18.2
Storage						
Disk systems	2.6	2.5	2.4	2.1	2.0	1.9
Tape	0.2	0.2	0.2	0.1	0.1	0.1
Fibre Channel	0.3	0.4	0.5	0.5	0.6	0.7
Storage total	3.1	3.1	3.0	2.8	2.7	2.7
Peripherals						
Printers	2.0	1.7	1.5	1.4	1.3	1.1
Smart handheld devices	1.5	1.6	3.1	3.5	3.7	3.6
Other add-ons	1.9	1.8	1.6	1.4	1.3	1.2
Peripherals total	5.5	5.2	6.3	6.3	6.3	5.9
Networking equipment	8.6	8.3	8.7	9.0	9.1	9.1
Hardware total	46.2	43.5	42.3	40.2	38.1	36.0
Packaged software total	18.1	19.1	19.5	20.2	21.2	22.9
Services total	35.7	37.4	38.2	39.6	40.6	41.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 279

Singapore Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.3	2.2	2.2	2.2	2.2	2.1
Implementation	2.2	2.1	2.1	2.1	2.1	2.0
Support services	2.0	2.1	2.3	2.5	2.6	2.6
Operations management	1.3	1.5	1.7	1.9	2.1	2.2
Training and education	4.3	4.5	4.6	4.7	4.8	4.6
Services total	1.9	2.0	2.1	2.3	2.3	2.3
Packaged software						
System infrastructure software	1.9	2.1	2.2	2.4	2.5	2.7
Appl. development and deployment	2.3	2.4	2.6	2.8	2.9	3.0
Applications	3.3	3.4	3.4	3.4	3.4	3.4
Packaged software total	2.6	2.8	2.8	2.9	3.0	3.1
Hardware						
Systems						
High-end servers	1.4	1.2	1.4	1.3	1.1	0.9
Midrange servers	2.6	2.8	2.9	3.0	3.0	3.2
Low-end servers	2.0	2.0	2.0	1.9	1.8	1.8
Standard Intel servers	1.8	1.8	1.7	1.6	1.6	1.5
Other low-end servers	2.4	2.5	2.4	2.4	2.3	2.3
Personal computers	1.6	1.7	1.6	1.4	1.3	1.2
Traditional workstations	1.8	2.0	2.1	2.3	2.5	2.6
Systems total	1.7	1.8	1.7	1.6	1.5	1.4
Storage						
Disk systems	1.4	1.5	1.5	1.5	1.5	1.5
Tape	2.6	2.5	2.3	2.2	2.2	2.3
Fibre Channel	2.6	2.5	2.3	2.2	2.2	2.3
Storage total	1.5	1.6	1.6	1.6	1.6	1.7
Peripherals						
Printers	1.2	1.0	1.0	1.0	1.0	1.0
Smart handheld devices	4.3	4.4	6.8	6.1	5.4	4.5
Other add-ons	1.6	1.8	1.7	1.5	1.5	1.4
Peripherals total	1.7	1.7	2.1	2.2	2.2	2.1
Networking equipment	2.3	2.1	2.1	2.1	2.1	2.1
Hardware total	1.8	1.8	1.8	1.7	1.7	1.7
Packaged software total	2.6	2.8	2.8	2.9	3.0	3.1
Services total	1.9	2.0	2.1	2.3	2.3	2.3
Total IT	1.9	2.0	2.1	2.1	2.1	2.1

Source: IDC, June 2002

Table 280
Singapore Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.3	0.3	0.3	0.3	0.3	0.3
Implementation	0.3	0.3	0.3	0.3	0.3	0.3
Support services	0.3	0.3	0.3	0.3	0.3	0.3
Operations management	0.2	0.3	0.3	0.3	0.4	0.4
Training and education	0.6	0.6	0.7	0.7	0.7	0.7
Services total	0.3	0.3	0.3	0.3	0.4	0.4
Packaged software						
System infrastructure software	0.3	0.3	0.3	0.4	0.4	0.4
Appl. development and deployment	0.3	0.3	0.4	0.4	0.4	0.4
Applications	0.4	0.4	0.4	0.4	0.5	0.5
Packaged software total	0.3	0.4	0.4	0.4	0.4	0.5
Hardware						
Systems						
High-end servers	0.4	0.3	0.3	0.3	0.2	0.2
Midrange servers	0.7	0.9	0.9	0.9	0.9	0.9
Low-end servers	0.5	0.5	0.5	0.5	0.5	0.5
Standard Intel servers	0.4	0.4	0.4	0.4	0.4	0.4
Other low-end servers	0.7	0.7	0.7	0.8	0.8	0.8
Personal computers	0.4	0.4	0.4	0.4	0.4	0.4
Traditional workstations	0.4	0.4	0.4	0.5	0.5	0.5
Systems total	0.4	0.5	0.5	0.5	0.4	0.4
Storage						
Disk systems	0.3	0.4	0.4	0.4	0.4	0.4
Tape	0.1	0.1	0.1	0.1	0.2	0.2
Fibre Channel	0.6	0.6	0.5	0.5	0.5	0.5
Storage total	0.3	0.3	0.4	0.3	0.4	0.4
Peripherals						
Printers	0.3	0.3	0.3	0.3	0.3	0.3
Smart handheld devices	0.8	0.8	1.5	1.7	1.8	1.7
Other add-ons	0.5	0.6	0.5	0.5	0.5	0.5
Peripherals total	0.4	0.4	0.6	0.6	0.6	0.7
Networking equipment	0.5	0.5	0.6	0.6	0.6	0.7
Hardware total	0.4	0.5	0.5	0.5	0.5	0.5
Packaged software total	0.3	0.4	0.4	0.4	0.4	0.5
Services total	0.3	0.3	0.3	0.3	0.4	0.4
Total IT	0.4	0.4	0.4	0.4	0.4	0.4

Source: IDC, June 2002

Table 281
IT Spending in Taiwan, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	192.0	208.2	233.5	262.4	297.4	328.3
Implementation	355.7	384.1	433.0	490.3	561.0	622.8
Support services	409.8	453.3	503.7	564.9	641.4	707.7
Operations management	331.6	387.1	457.6	548.4	663.4	762.3
Training and education	149.1	162.8	179.2	202.2	230.1	254.7
Services total	1,438.1	1,595.6	1,806.9	2,068.2	2,393.3	2,675.8
Packaged software						
System infrastructure software	130.4	152.7	176.2	209.1	253.8	314.1
Appl. development and deployment	124.7	146.9	179.7	223.8	277.5	337.4
Applications	260.3	295.4	337.1	395.4	475.0	590.3
Packaged software total	515.4	595.1	692.9	828.3	1,006.4	1,241.8
Hardware						
Systems						
High-end servers	43.8	37.5	41.1	39.2	44.2	45.0
Midrange servers	117.6	133.3	145.9	145.4	147.4	155.2
Low-end servers	254.4	268.3	293.3	343.1	377.5	407.5
Standard Intel servers	158.7	162.2	178.5	203.2	223.5	243.2
Other low-end servers	95.7	106.2	114.8	139.9	154.0	164.4
Personal computers	1,275.1	1,282.4	1,372.1	1,496.4	1,627.9	1,758.0
Traditional workstations	19.4	23.3	23.2	23.2	22.8	22.4
Systems total	1,710.4	1,744.8	1,875.6	2,047.2	2,219.8	2,388.2
Storage						
Disk systems	122.3	117.6	117.6	118.5	114.9	110.7
Tape	8.1	7.8	7.5	7.7	8.5	8.3
Fibre Channel	15.4	20.9	24.6	28.6	33.2	38.0
Storage total	145.8	146.3	149.7	154.9	156.7	157.0
Peripherals						
Printers	195.9	185.7	187.6	190.7	193.9	196.6
Smart handheld devices	57.7	65.7	99.2	189.3	261.0	348.5
Other add-ons	113.2	114.3	122.8	132.6	143.8	154.5
Peripherals total	366.8	365.7	409.6	512.6	598.7	699.6
Networking equipment	432.5	455.8	535.4	622.5	719.4	810.0
Hardware total	2,655.4	2,712.6	2,970.4	3,337.2	3,694.6	4,054.8
Packaged software total	515.4	595.1	692.9	828.3	1,006.4	1,241.8
Services total	1,438.1	1,595.6	1,806.9	2,068.2	2,393.3	2,675.8
Total IT	4,608.8	4,903.3	5,470.2	6,233.7	7,094.3	7,972.4

Source: IDC, June 2002

Table 282
Growth in IT Spending in Taiwan, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	8.5	12.1	12.4	13.3	10.4	12.1
Implementation	8.0	12.7	13.2	14.4	11.0	12.8
Support services	10.6	11.1	12.1	13.6	10.3	11.8
Operations management	16.8	18.2	19.9	21.0	14.9	18.5
Training and education	9.2	10.1	12.8	13.8	10.7	11.8
Services total	10.9	13.2	14.5	15.7	11.8	13.8
Packaged software						
System infrastructure software	17.1	15.4	18.7	21.4	23.8	19.8
Appl. development and deployment	17.8	22.3	24.6	24.0	21.6	23.1
Applications	13.5	14.1	17.3	20.1	24.3	18.9
Packaged software total	15.5	16.4	19.5	21.5	23.4	20.2
Hardware						
Systems						
High-end servers	-14.5	9.7	-4.7	12.7	1.9	4.7
Midrange servers	13.3	9.4	-0.3	1.4	5.3	3.9
Low-end servers	5.5	9.3	17.0	10.0	8.0	11.0
Standard Intel servers	2.2	10.1	13.9	10.0	8.8	10.7
Other low-end servers	10.9	8.2	21.8	10.1	6.7	11.5
Personal computers	0.6	7.0	9.1	8.8	8.0	8.2
Traditional workstations	20.1	-0.7	-0.1	-1.5	-1.5	-1.0
Systems total	2.0	7.5	9.1	8.4	7.6	8.2
Storage						
Disk systems	-3.8	0.0	0.8	-3.0	-3.7	-1.5
Tape	-4.4	-3.3	3.4	9.8	-2.1	1.8
Fibre Channel	35.8	17.9	16.0	16.2	14.4	16.1
Storage total	0.4	2.4	3.4	1.2	0.2	1.8
Peripherals						
Printers	-5.2	1.0	1.6	1.7	1.4	1.4
Smart handheld devices	14.0	50.9	90.9	37.9	33.5	51.8
Other add-ons	1.0	7.4	8.0	8.4	7.4	7.8
Peripherals total	-0.3	12.0	25.1	16.8	16.9	17.6
Networking equipment	5.4	17.5	16.3	15.6	12.6	15.5
Hardware total	2.2	9.5	12.4	10.7	9.8	10.6
Packaged software total	15.5	16.4	19.5	21.5	23.4	20.2
Services total	10.9	13.2	14.5	15.7	11.8	13.8
Total IT	6.4	11.6	14.0	13.8	12.4	12.9

Source: IDC, June 2002

Table 283
Proportions of IT Spending Categories in Taiwan, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.2	4.2	4.3	4.2	4.2	4.1
Implementation	7.7	7.8	7.9	7.9	7.9	7.8
Support services	8.9	9.2	9.2	9.1	9.0	8.9
Operations management	7.2	7.9	8.4	8.8	9.4	9.6
Training and education	3.2	3.3	3.3	3.2	3.2	3.2
Services total	31.2	32.5	33.0	33.2	33.7	33.6
Packaged software						
System infrastructure software	2.8	3.1	3.2	3.4	3.6	3.9
Appl. development and deployment	2.7	3.0	3.3	3.6	3.9	4.2
Applications	5.6	6.0	6.2	6.3	6.7	7.4
Packaged software total	11.2	12.1	12.7	13.3	14.2	15.6
Hardware						
Systems						
High-end servers	1.0	0.8	0.8	0.6	0.6	0.6
Midrange servers	2.6	2.7	2.7	2.3	2.1	1.9
Low-end servers	5.5	5.5	5.4	5.5	5.3	5.1
Standard Intel servers	3.4	3.3	3.3	3.3	3.2	3.1
Other low-end servers	2.1	2.2	2.1	2.2	2.2	2.1
Personal computers	27.7	26.2	25.1	24.0	22.9	22.1
Traditional workstations	0.4	0.5	0.4	0.4	0.3	0.3
Systems total	37.1	35.6	34.3	32.8	31.3	30.0
Storage						
Disk systems	2.7	2.4	2.1	1.9	1.6	1.4
Tape	0.2	0.2	0.1	0.1	0.1	0.1
Fibre Channel	0.3	0.4	0.5	0.5	0.5	0.5
Storage total	3.2	3.0	2.7	2.5	2.2	2.0
Peripherals						
Printers	4.3	3.8	3.4	3.1	2.7	2.5
Smart handheld devices	1.3	1.3	1.8	3.0	3.7	4.4
Other add-ons	2.5	2.3	2.2	2.1	2.0	1.9
Peripherals total	8.0	7.5	7.5	8.2	8.4	8.8
Networking equipment	9.4	9.3	9.8	10.0	10.1	10.2
Hardware total	57.6	55.3	54.3	53.5	52.1	50.9
Packaged software total	11.2	12.1	12.7	13.3	14.2	15.6
Services total	31.2	32.5	33.0	33.2	33.7	33.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 284

Taiwan Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.4	3.3	3.2	3.1	3.0	2.7
Implementation	2.3	2.3	2.4	2.4	2.4	2.3
Support services	3.4	3.6	3.8	3.9	4.1	3.9
Operations management	1.4	1.4	1.5	1.6	1.7	1.7
Training and education	4.0	4.0	4.0	4.0	4.2	4.0
Services total	2.4	2.4	2.4	2.5	2.5	2.5
Packaged software						
System infrastructure software	1.7	1.8	1.9	2.0	2.0	2.1
Appl. development and deployment	2.3	2.5	2.7	2.9	3.1	3.2
Applications	2.6	2.7	2.7	2.7	2.8	2.9
Packaged software total	2.3	2.4	2.4	2.5	2.6	2.7
Hardware						
Systems						
High-end servers	1.7	1.8	2.1	2.1	2.4	2.5
Midrange servers	3.2	3.3	3.3	3.1	2.8	2.9
Low-end servers	3.4	3.5	3.5	3.7	3.7	3.7
Standard Intel servers	3.4	3.3	3.2	3.3	3.2	3.2
Other low-end servers	3.6	3.9	4.0	4.5	4.6	4.8
Personal computers	3.0	3.3	3.2	3.0	2.9	2.9
Traditional workstations	2.5	3.4	3.8	4.3	4.7	5.2
Systems total	3.0	3.3	3.2	3.1	3.0	3.0
Storage						
Disk systems	2.0	1.9	1.8	1.7	1.6	1.5
Tape	3.8	3.3	2.8	2.5	2.3	2.1
Fibre Channel	3.8	3.3	2.8	2.5	2.3	2.1
Storage total	2.2	2.1	2.0	1.8	1.7	1.6
Peripherals						
Printers	3.3	3.0	2.9	2.8	2.8	2.7
Smart handheld devices	5.2	4.8	5.2	6.9	7.0	7.1
Other add-ons	2.9	3.2	3.1	3.0	2.9	2.9
Peripherals total	3.3	3.3	3.3	3.7	3.8	4.0
Networking equipment	3.5	3.1	3.1	3.1	3.1	3.0
Hardware total	3.0	3.1	3.1	3.0	3.0	3.1
Packaged software total	2.3	2.4	2.4	2.5	2.6	2.7
Services total	2.4	2.4	2.4	2.5	2.5	2.5
Total IT	2.7	2.7	2.8	2.8	2.8	2.8

Source: IDC, June 2002

Table 285
Taiwan Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.4	0.4	0.4	0.4	0.4	0.4
Implementation	0.4	0.4	0.4	0.4	0.4	0.4
Support services	0.4	0.4	0.5	0.5	0.5	0.5
Operations management	0.2	0.2	0.2	0.3	0.3	0.3
Training and education	0.6	0.6	0.6	0.6	0.6	0.6
Services total	0.3	0.4	0.4	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.3	0.3	0.3	0.3	0.3	0.4
Appl. development and deployment	0.3	0.3	0.4	0.4	0.4	0.5
Applications	0.3	0.3	0.3	0.4	0.4	0.4
Packaged software total	0.3	0.3	0.3	0.3	0.4	0.4
Hardware						
Systems						
High-end servers	0.4	0.4	0.4	0.4	0.5	0.5
Midrange servers	0.9	1.0	1.0	0.9	0.8	0.8
Low-end servers	0.9	0.9	0.9	1.0	1.0	1.0
Standard Intel servers	0.8	0.8	0.8	0.8	0.8	0.8
Other low-end servers	1.0	1.0	1.1	1.4	1.6	1.7
Personal computers	0.8	0.8	0.9	0.9	0.9	1.0
Traditional workstations	0.5	0.7	0.8	0.9	1.0	1.1
Systems total	0.8	0.8	0.9	0.9	0.9	1.0
Storage						
Disk systems	0.5	0.5	0.4	0.4	0.4	0.4
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.8	0.7	0.6	0.5	0.5	0.5
Storage total	0.5	0.5	0.4	0.4	0.4	0.3
Peripherals						
Printers	0.8	0.7	0.7	0.7	0.7	0.7
Smart handheld devices	0.9	0.9	1.2	1.9	2.3	2.6
Other add-ons	0.9	1.0	1.0	1.0	1.0	1.0
Peripherals total	0.8	0.8	0.9	1.0	1.1	1.3
Networking equipment	0.8	0.8	0.9	0.9	0.9	1.0
Hardware total	0.7	0.8	0.8	0.9	0.9	0.9
Packaged software total	0.3	0.3	0.3	0.3	0.4	0.4
Services total	0.3	0.4	0.4	0.4	0.4	0.4
Total IT	0.5	0.5	0.5	0.5	0.5	0.6

Source: IDC, June 2002

Table 286
IT Spending in Thailand, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	34.7	39.7	47.1	56.3	67.8	82.8
Implementation	68.8	79.7	94.1	110.5	130.1	152.7
Support services	69.4	79.5	91.3	104.3	118.7	134.6
Operations management	30.9	35.7	43.0	52.3	64.0	79.2
Training and education	33.8	39.1	46.5	55.3	65.7	78.2
Services total	237.5	273.8	321.9	378.6	446.3	527.5
Packaged software						
System infrastructure software	36.1	41.2	48.5	58.0	69.6	84.5
Appl. development and deployment	28.5	32.0	38.1	46.9	55.8	64.9
Applications	83.1	91.5	104.7	123.0	147.2	179.3
Packaged software total	147.8	164.8	191.3	227.9	272.6	328.7
Hardware						
Systems						
High-end servers	4.8	4.7	6.9	2.2	4.4	3.2
Midrange servers	47.7	52.9	53.4	59.1	60.1	60.8
Low-end servers	65.5	63.0	68.9	76.8	84.1	96.4
Standard Intel servers	39.6	39.0	41.6	45.7	51.7	57.9
Other low-end servers	25.9	24.0	27.2	31.1	32.4	38.6
Personal computers	630.0	675.7	713.5	786.9	907.6	1,034.1
Traditional workstations	4.8	4.6	4.4	4.0	3.7	3.4
Systems total	752.9	800.8	847.0	929.1	1,059.8	1,198.0
Storage						
Disk systems	41.2	40.2	41.9	45.6	50.4	54.2
Tape	2.7	2.7	2.7	3.0	3.7	4.1
Fibre Channel	5.2	7.1	8.8	11.0	14.6	18.6
Storage total	49.2	50.0	53.4	59.6	68.6	76.9
Peripherals						
Printers	111.8	104.4	104.7	103.4	105.8	107.7
Smart handheld devices	24.0	32.1	43.2	60.5	82.9	112.3
Other add-ons	51.4	55.0	58.2	63.3	72.3	81.4
Peripherals total	187.1	191.5	206.1	227.2	261.0	301.4
Networking equipment	146.1	155.0	172.9	196.6	227.9	267.5
Hardware total	1,135.2	1,197.3	1,279.4	1,412.5	1,617.4	1,843.7
Packaged software total	147.8	164.8	191.3	227.9	272.6	328.7
Services total	237.5	273.8	321.9	378.6	446.3	527.5
Total IT	1,520.6	1,635.9	1,792.6	2,019.0	2,336.4	2,699.9

Source: IDC, June 2002

Table 287

Growth in IT Spending in Thailand, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	14.5	18.6	19.7	20.4	22.1	20.2
Implementation	15.9	18.0	17.5	17.7	17.4	17.6
Support services	14.6	14.8	14.2	13.9	13.4	14.1
Operations management	15.5	20.3	21.6	22.4	23.9	22.0
Training and education	15.7	18.9	18.9	18.9	18.9	18.9
Services total	15.3	17.6	17.6	17.9	18.2	17.8
Packaged software						
System infrastructure software	14.0	17.7	19.5	20.1	21.3	19.7
Appl. development and deployment	12.2	18.9	23.3	19.0	16.3	19.3
Applications	10.1	14.4	17.4	19.7	21.8	18.3
Packaged software total	11.5	16.1	19.1	19.7	20.6	18.8
Hardware						
Systems						
High-end servers	-3.0	47.6	-67.7	97.2	-26.8	-8.9
Midrange servers	10.9	1.0	10.7	1.6	1.3	3.5
Low-end servers	-3.9	9.3	11.6	9.5	14.6	11.2
Standard Intel servers	-1.6	6.7	9.8	13.0	12.0	10.4
Other low-end servers	-7.3	13.4	14.2	4.3	18.9	12.6
Personal computers	7.2	5.6	10.3	15.3	13.9	11.2
Traditional workstations	-5.9	-4.0	-8.1	-8.3	-7.8	-7.1
Systems total	6.4	5.8	9.7	14.1	13.0	10.6
Storage						
Disk systems	-2.4	4.3	8.7	10.4	7.7	7.7
Tape	-3.1	0.9	11.5	25.1	9.4	11.4
Fibre Channel	37.7	23.0	25.2	32.2	28.0	27.1
Storage total	1.8	6.8	11.6	15.2	12.1	11.4
Peripherals						
Printers	-6.6	0.2	-1.2	2.3	1.8	0.8
Smart handheld devices	33.9	34.6	40.0	37.1	35.4	36.8
Other add-ons	7.1	5.8	8.7	14.3	12.6	10.3
Peripherals total	2.4	7.6	10.2	14.9	15.5	12.0
Networking equipment	6.1	11.6	13.7	15.9	17.3	14.6
Hardware total	5.5	6.9	10.4	14.5	14.0	11.4
Packaged software total	11.5	16.1	19.1	19.7	20.6	18.8
Services total	15.3	17.6	17.6	17.9	18.2	17.8
Total IT	7.6	9.6	12.6	15.7	15.6	13.3

Source: IDC, June 2002

Table 288
Proportions of IT Spending Categories in Thailand, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.3	2.4	2.6	2.8	2.9	3.1
Implementation	4.5	4.9	5.2	5.5	5.6	5.7
Support services	4.6	4.9	5.1	5.2	5.1	5.0
Operations management	2.0	2.2	2.4	2.6	2.7	2.9
Training and education	2.2	2.4	2.6	2.7	2.8	2.9
Services total	15.6	16.7	18.0	18.8	19.1	19.5
Packaged software						
System infrastructure software	2.4	2.5	2.7	2.9	3.0	3.1
Appl. development and deployment	1.9	2.0	2.1	2.3	2.4	2.4
Applications	5.5	5.6	5.8	6.1	6.3	6.6
Packaged software total	9.7	10.1	10.7	11.3	11.7	12.2
Hardware						
Systems						
High-end servers	0.3	0.3	0.4	0.1	0.2	0.1
Midrange servers	3.1	3.2	3.0	2.9	2.6	2.3
Low-end servers	4.3	3.9	3.8	3.8	3.6	3.6
Standard Intel servers	2.6	2.4	2.3	2.3	2.2	2.1
Other low-end servers	1.7	1.5	1.5	1.5	1.4	1.4
Personal computers	41.4	41.3	39.8	39.0	38.8	38.3
Traditional workstations	0.3	0.3	0.2	0.2	0.2	0.1
Systems total	49.5	49.0	47.3	46.0	45.4	44.4
Storage						
Disk systems	2.7	2.5	2.3	2.3	2.2	2.0
Tape	0.2	0.2	0.1	0.1	0.2	0.2
Fibre Channel	0.3	0.4	0.5	0.5	0.6	0.7
Storage total	3.2	3.1	3.0	3.0	2.9	2.8
Peripherals						
Printers	7.3	6.4	5.8	5.1	4.5	4.0
Smart handheld devices	1.6	2.0	2.4	3.0	3.5	4.2
Other add-ons	3.4	3.4	3.2	3.1	3.1	3.0
Peripherals total	12.3	11.7	11.5	11.3	11.2	11.2
Networking equipment	9.6	9.5	9.6	9.7	9.8	9.9
Hardware total	74.7	73.2	71.4	70.0	69.2	68.3
Packaged software total	9.7	10.1	10.7	11.3	11.7	12.2
Services total	15.6	16.7	18.0	18.8	19.1	19.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 289
Thailand Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.7	0.7	0.7	0.7
Implementation	0.4	0.5	0.5	0.5	0.6	0.6
Support services	0.6	0.6	0.7	0.7	0.8	0.7
Operations management	0.1	0.1	0.1	0.2	0.2	0.2
Training and education	0.9	1.0	1.0	1.1	1.2	1.2
Services total	0.4	0.4	0.4	0.5	0.5	0.5
Packaged software						
System infrastructure software	0.5	0.5	0.5	0.5	0.6	0.6
Appl. development and deployment	0.5	0.5	0.6	0.6	0.6	0.6
Applications	0.8	0.8	0.8	0.8	0.9	0.9
Packaged software total	0.6	0.7	0.7	0.7	0.7	0.7
Hardware						
Systems						
High-end servers	0.2	0.2	0.4	0.1	0.2	0.2
Midrange servers	1.3	1.3	1.2	1.2	1.2	1.1
Low-end servers	0.9	0.8	0.8	0.8	0.8	0.9
Standard Intel servers	0.8	0.8	0.8	0.7	0.8	0.8
Other low-end servers	1.0	0.9	0.9	1.0	1.0	1.1
Personal computers	1.5	1.7	1.6	1.6	1.6	1.7
Traditional workstations	0.6	0.7	0.7	0.7	0.8	0.8
Systems total	1.3	1.5	1.4	1.4	1.5	1.5
Storage						
Disk systems	0.7	0.6	0.6	0.7	0.7	0.7
Tape	1.3	1.1	1.0	1.0	1.0	1.0
Fibre Channel	1.3	1.1	1.0	1.0	1.0	1.0
Storage total	0.7	0.7	0.7	0.7	0.7	0.8
Peripherals						
Printers	1.9	1.7	1.6	1.5	1.5	1.5
Smart handheld devices	2.1	2.4	2.2	2.2	2.2	2.3
Other add-ons	1.3	1.5	1.5	1.4	1.5	1.5
Peripherals total	1.7	1.7	1.7	1.6	1.7	1.7
Networking equipment	1.2	1.1	1.0	1.0	1.0	1.0
Hardware total	1.3	1.4	1.3	1.3	1.3	1.4
Packaged software total	0.6	0.7	0.7	0.7	0.7	0.7
Services total	0.4	0.4	0.4	0.5	0.5	0.5
Total IT	0.9	0.9	0.9	0.9	0.9	0.9

Source: IDC, June 2002

Table 290
Thailand Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.2	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	0.0	0.1	0.0	0.0	0.0
Midrange servers	0.3	0.4	0.4	0.4	0.3	0.3
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.2	0.2	0.2	0.2
Other low-end servers	0.3	0.2	0.3	0.3	0.3	0.4
Personal computers	0.4	0.4	0.4	0.5	0.5	0.6
Traditional workstations	0.1	0.1	0.1	0.2	0.2	0.2
Systems total	0.3	0.4	0.4	0.4	0.4	0.5
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.2	0.2
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.3	0.2	0.2	0.2	0.2	0.2
Storage total	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.4	0.4	0.4	0.4	0.4	0.4
Smart handheld devices	0.4	0.4	0.5	0.6	0.7	0.9
Other add-ons	0.4	0.5	0.5	0.5	0.5	0.5
Peripherals total	0.4	0.4	0.4	0.5	0.5	0.5
Networking equipment	0.3	0.3	0.3	0.3	0.3	0.3
Hardware total	0.3	0.3	0.4	0.4	0.4	0.4
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 291
IT Spending in Vietnam, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.5	5.5	6.5	7.7	9.3	10.6
Implementation	8.8	11.1	12.9	14.8	17.1	19.1
Support services	9.0	11.3	13.3	15.0	17.1	18.9
Operations management	3.7	5.1	6.5	8.3	10.9	13.0
Training and education	4.1	5.1	5.8	6.8	8.1	9.1
Services total	30.0	38.1	44.9	52.8	62.4	70.8
Packaged software						
System infrastructure software	17.4	21.6	26.5	32.1	38.1	44.8
Appl. development and deployment	5.1	6.1	7.4	9.1	10.7	12.4
Applications	6.1	6.9	7.8	9.3	11.3	14.3
Packaged software total	28.6	34.6	41.7	50.4	60.1	71.5
Hardware						
Systems						
High-end servers	–	–	–	–	–	–
Midrange servers	1.8	2.3	2.2	2.4	2.6	2.7
Low-end servers	22.2	20.5	26.3	32.3	39.0	45.8
Standard Intel servers	20.5	18.6	24.4	30.3	36.7	43.2
Other low-end servers	1.7	1.9	1.9	2.0	2.3	2.6
Personal computers	130.5	155.0	189.6	230.3	272.6	316.4
Traditional workstations	1.4	1.6	1.8	1.9	2.1	2.2
Systems total	155.9	179.4	219.9	267.0	316.3	367.1
Storage						
Disk systems	7.1	8.3	9.7	11.3	13.0	13.9
Tape	0.5	0.5	0.6	0.7	1.0	1.0
Fibre Channel	0.9	1.5	2.0	2.7	3.8	4.8
Storage total	8.5	10.3	12.3	14.8	17.7	19.7
Peripherals						
Printers	37.5	37.3	39.3	41.9	44.5	45.0
Smart handheld devices	2.4	4.2	6.8	10.2	15.1	21.5
Other add-ons	10.2	11.9	14.5	17.5	20.6	23.9
Peripherals total	50.1	53.3	60.5	69.6	80.2	90.4
Networking equipment	39.2	46.2	49.8	58.2	69.4	80.4
Hardware total	253.6	289.2	342.6	409.6	483.6	557.7
Packaged software total	28.6	34.6	41.7	50.4	60.1	71.5
Services total	30.0	38.1	44.9	52.8	62.4	70.8
Total IT	312.3	361.8	429.2	512.7	606.1	700.0

Source: IDC, June 2002

Table 292
Growth in IT Spending in Vietnam, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	23.8	17.5	19.5	19.9	14.6	17.8
Implementation	26.3	16.7	15.0	15.2	11.9	14.7
Support services	26.5	17.0	13.1	13.6	10.8	13.6
Operations management	36.7	26.9	28.8	30.7	19.2	26.3
Training and education	22.2	14.8	17.8	17.8	13.6	15.9
Services total	26.7	18.0	17.4	18.2	13.5	16.8
Packaged software						
System infrastructure software	24.0	22.4	21.2	18.9	17.4	20.0
Appl. development and deployment	19.4	22.6	21.8	18.4	15.9	19.7
Applications	13.8	13.2	18.3	21.9	26.7	19.9
Packaged software total	21.0	20.6	20.7	19.4	18.9	19.9
Hardware						
Systems						
High-end servers	–	–	–	–	–	–
Midrange servers	26.2	-3.9	11.2	5.5	7.0	4.8
Low-end servers	-7.6	28.4	22.9	20.6	17.4	22.2
Standard Intel servers	-9.2	31.4	23.9	21.2	17.6	23.4
Other low-end servers	12.4	-1.8	9.8	12.1	13.1	8.1
Personal computers	18.8	22.4	21.5	18.4	16.1	19.5
Traditional workstations	13.7	7.0	8.1	8.1	6.9	7.5
Systems total	15.1	22.6	21.4	18.5	16.1	19.6
Storage						
Disk systems	16.1	17.4	16.7	14.8	7.1	13.9
Tape	15.3	13.6	19.7	30.0	8.8	17.8
Fibre Channel	63.9	38.5	34.4	37.5	27.3	34.3
Storage total	21.1	20.2	19.8	19.7	11.4	17.7
Peripherals						
Printers	-0.4	5.2	6.7	6.2	1.2	4.8
Smart handheld devices	70.6	63.4	50.9	47.1	42.8	50.9
Other add-ons	16.7	21.8	20.9	18.0	15.8	19.1
Peripherals total	6.5	13.4	15.0	15.2	12.8	14.1
Networking equipment	17.9	7.9	16.7	19.3	15.8	14.9
Hardware total	14.0	18.5	19.5	18.1	15.3	17.8
Packaged software total	21.0	20.6	20.7	19.4	18.9	19.9
Services total	26.7	18.0	17.4	18.2	13.5	16.8
Total IT	15.9	18.6	19.4	18.2	15.5	17.9

Source: IDC, June 2002

Table 293
Proportions of IT Spending Categories in Vietnam, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.4	1.5	1.5	1.5	1.5	1.5
Implementation	2.8	3.1	3.0	2.9	2.8	2.7
Support services	2.9	3.1	3.1	2.9	2.8	2.7
Operations management	1.2	1.4	1.5	1.6	1.8	1.9
Training and education	1.3	1.4	1.4	1.3	1.3	1.3
Services total	9.6	10.5	10.5	10.3	10.3	10.1
Packaged software						
System infrastructure software	5.6	6.0	6.2	6.3	6.3	6.4
Appl. development and deployment	1.6	1.7	1.7	1.8	1.8	1.8
Applications	1.9	1.9	1.8	1.8	1.9	2.0
Packaged software total	9.2	9.6	9.7	9.8	9.9	10.2
Hardware						
Systems						
High-end servers	–	–	–	–	–	–
Midrange servers	0.6	0.6	0.5	0.5	0.4	0.4
Low-end servers	7.1	5.7	6.1	6.3	6.4	6.5
Standard Intel servers	6.6	5.1	5.7	5.9	6.1	6.2
Other low-end servers	0.5	0.5	0.4	0.4	0.4	0.4
Personal computers	41.8	42.8	44.2	44.9	45.0	45.2
Traditional workstations	0.5	0.5	0.4	0.4	0.3	0.3
Systems total	49.9	49.6	51.2	52.1	52.2	52.5
Storage						
Disk systems	2.3	2.3	2.3	2.2	2.1	2.0
Tape	0.2	0.2	0.1	0.1	0.2	0.1
Fibre Channel	0.3	0.4	0.5	0.5	0.6	0.7
Storage total	2.7	2.8	2.9	2.9	2.9	2.8
Peripherals						
Printers	12.0	10.3	9.1	8.2	7.3	6.4
Smart handheld devices	0.8	1.1	1.6	2.0	2.5	3.1
Other add-ons	3.3	3.3	3.4	3.4	3.4	3.4
Peripherals total	16.0	14.7	14.1	13.6	13.2	12.9
Networking equipment	12.5	12.8	11.6	11.3	11.5	11.5
Hardware total	81.2	79.9	79.8	79.9	79.8	79.7
Packaged software total	9.2	9.6	9.7	9.8	9.9	10.2
Services total	9.6	10.5	10.5	10.3	10.3	10.1
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 294

Vietnam Proportions of the IT Spending in Asia/Pacific, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.2	0.3	0.3	0.3	0.3	0.3
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	–	–	–	–	–	–
Midrange servers	0.0	0.1	0.0	0.1	0.0	0.1
Low-end servers	0.3	0.3	0.3	0.3	0.4	0.4
Standard Intel servers	0.4	0.4	0.4	0.5	0.5	0.6
Other low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Personal computers	0.3	0.4	0.4	0.5	0.5	0.5
Traditional workstations	0.2	0.2	0.3	0.4	0.4	0.5
Systems total	0.3	0.3	0.4	0.4	0.4	0.5
Storage						
Disk systems	0.1	0.1	0.1	0.2	0.2	0.2
Tape	0.2	0.2	0.2	0.2	0.3	0.3
Fibre Channel	0.2	0.2	0.2	0.2	0.3	0.3
Storage total	0.1	0.1	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.6	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.2	0.3	0.4	0.4	0.4	0.4
Other add-ons	0.3	0.3	0.4	0.4	0.4	0.5
Peripherals total	0.5	0.5	0.5	0.5	0.5	0.5
Networking equipment	0.3	0.3	0.3	0.3	0.3	0.3
Hardware total	0.3	0.3	0.4	0.4	0.4	0.4
Packaged software total	0.1	0.1	0.1	0.2	0.2	0.2
Services total	0.0	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 295

Vietnam Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0	0.0	0.0
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.0	0.0	0.0	0.0	0.0	0.1
Appl. development and deployment	0.0	0.0	0.0	0.0	0.0	0.0
Applications	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Hardware						
Systems						
High-end servers	–	–	–	–	–	–
Midrange servers	0.0	0.0	0.0	0.0	0.0	0.0
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Personal computers	0.1	0.1	0.1	0.1	0.2	0.2
Traditional workstations	0.0	0.0	0.1	0.1	0.1	0.1
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.1	0.0	0.1	0.1	0.1
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.1	0.2	0.2	0.2	0.2
Smart handheld devices	0.0	0.1	0.1	0.1	0.1	0.2
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.2
Peripherals total	0.1	0.1	0.1	0.1	0.2	0.2
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.0	0.0	0.0	0.0	0.0	0.0

Source: IDC, June 2002

Eastern Europe

Eastern Europe's IT market continues to expand at a healthy pace, led by strong demand for IT services and robust software spending. In contrast to other regional markets, Eastern Europe also boasts stable demand for hardware, including PCs. Eastern Europe is on track to achieve IT spending growth of 11.1% in 2002, making it the world's fastest-growing IT region for the second consecutive year.

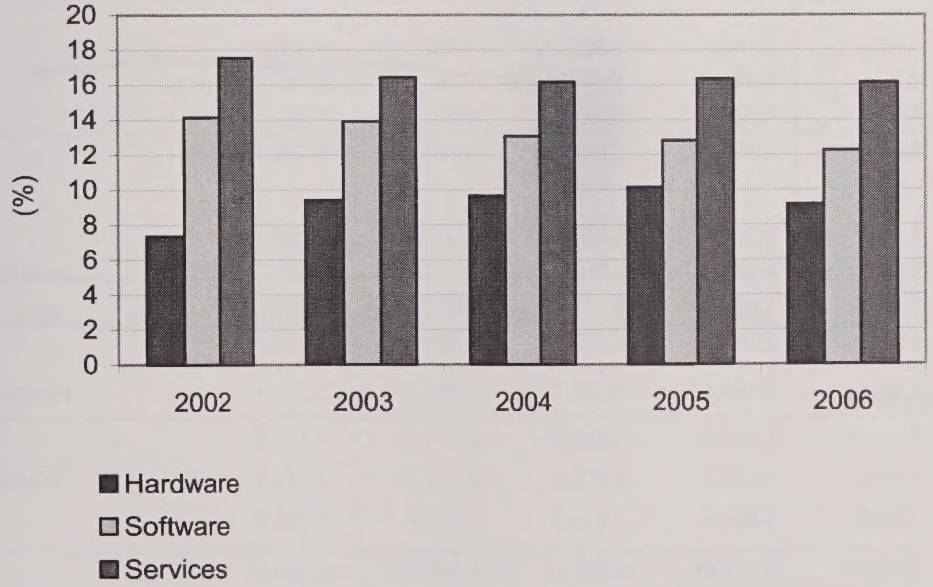
In Russia, the IT market has benefited from greater political and economic stability since the Putin administration assumed power in 2000. This has spurred a notable increase in corporate and public sector investment as confidence in the country's future has improved. In the Czech Republic, IT spending continues to expand at a robust pace. While growth has primarily come from software and services, currently at an all-time high, a moderate recovery is now taking place in the country's hardware market. In Poland, a flourishing commercial sector, high levels of FDI, and the ongoing implementation of large-scale IT infrastructure projects in sectors such as government administration and banking/financial services continue to drive technology investment.

Figures 13–15 show worldwide IT spending from 2000 to 2006.

Tables 296–349 show forecasts for Eastern Europe IT spending from 2001 to 2006.

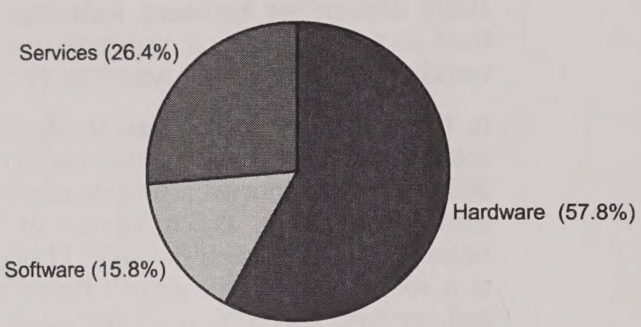
Figure 13

Eastern Europe IT Spending Growth by Segment, 2002–2006



Source: IDC, June 2002

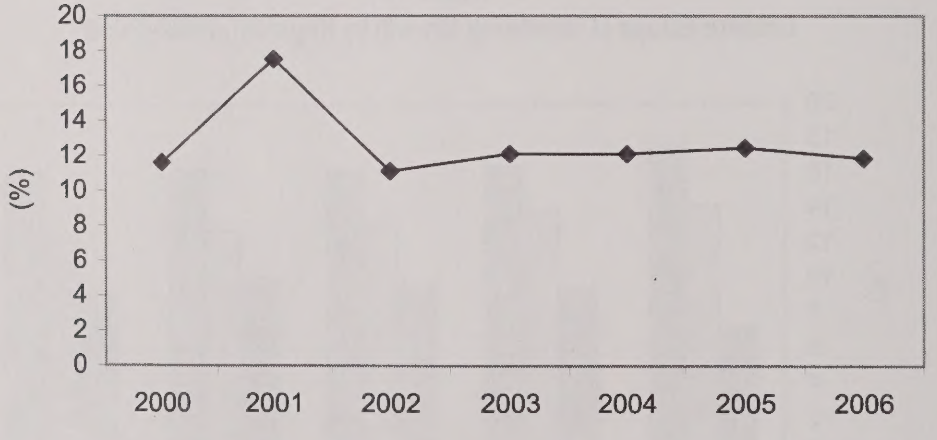
Figure 14
Eastern Europe IT Spending Proportions by Segment, 2001



Total = $14.0B

Source: IDC, June 2002

Figure 15
Eastern Europe IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 296
IT Spending in Eastern Europe, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	588.6	808.6	966.6	1,145.0	1,353.1	1,598.3
Implementation	1,747.8	2,017.8	2,339.6	2,713.5	3,151.9	3,667.9
Support services	880.1	960.2	1,090.3	1,245.0	1,438.0	1,655.4
Operations management	302.3	366.0	448.1	536.4	632.0	728.0
Training and education	191.1	208.5	233.5	259.3	288.7	322.6
Services total	3,709.7	4,361.0	5,078.1	5,899.2	6,863.6	7,972.2
Packaged software						
System infrastructure software	575.1	646.8	729.4	817.8	918.6	1,024.4
Appl. development and deployment	441.3	499.6	565.7	638.0	720.3	806.6
Applications	1,195.8	1,378.5	1,581.5	1,796.2	2,030.2	2,287.9
Packaged software total	2,212.1	2,524.9	2,876.6	3,252.1	3,669.1	4,118.9
Hardware						
Systems						
High-end servers	51.7	42.4	51.4	56.0	52.7	55.2
Midrange servers	312.4	336.4	358.0	372.9	395.6	411.6
Low-end servers	755.3	805.7	889.1	994.5	1,098.8	1,201.8
Standard Intel servers	515.0	536.2	604.8	700.7	803.5	898.1
Other low-end servers	240.3	269.5	284.4	293.8	295.3	303.7
Personal computers	4,187.8	4,448.1	4,884.0	5,338.2	5,914.0	6,421.7
Traditional workstations	32.7	27.8	23.6	20.8	18.3	17.2
Systems total	5,339.8	5,660.3	6,206.2	6,782.5	7,479.4	8,107.5
Storage						
Disk systems	209.5	239.7	263.1	305.2	347.1	400.2
Tape	81.8	85.7	88.3	86.3	91.8	94.0
Fibre Channel	10.3	19.5	27.8	38.3	50.4	66.1
Storage total	301.6	345.0	379.1	429.7	489.2	560.3
Peripherals						
Printers	982.9	1,015.1	1,050.6	1,093.0	1,134.4	1,142.7
Smart handheld devices	107.9	172.6	246.8	354.2	463.2	625.1
Other add-ons	271.6	300.6	328.1	358.1	392.5	435.3
Peripherals total	1,362.3	1,488.3	1,625.5	1,805.3	1,990.0	2,203.1
Networking equipment	1,117.4	1,225.8	1,330.1	1,444.8	1,565.6	1,709.7
Hardware total	8,121.1	8,719.3	9,540.8	10,462.4	11,524.2	12,580.6
Packaged software total	2,212.1	2,524.9	2,876.6	3,252.1	3,669.1	4,118.9
Services total	3,709.7	4,361.0	5,078.1	5,899.2	6,863.6	7,972.2
Total IT	14,043.0	15,605.3	17,495.4	19,613.6	22,056.8	24,671.7

Source: IDC, June 2002

Table 297
Growth in IT Spending in Eastern Europe, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	37.4	19.5	18.5	18.2	18.1	18.6
Implementation	15.4	15.9	16.0	16.2	16.4	16.1
Support services	9.1	13.5	14.2	15.5	15.1	14.6
Operations management	21.1	22.5	19.7	17.8	15.2	18.8
Training and education	9.1	12.0	11.1	11.3	11.7	11.5
Services total	17.6	16.4	16.2	16.3	16.2	16.3
Packaged software						
System infrastructure software	12.5	12.8	12.1	12.3	11.5	12.2
Appl. development and deployment	13.2	13.2	12.8	12.9	12.0	12.7
Applications	15.3	14.7	13.6	13.0	12.7	13.5
Packaged software total	14.1	13.9	13.1	12.8	12.3	13.0
Hardware						
Systems						
High-end servers	-17.9	21.2	9.0	-6.0	4.8	6.8
Midrange servers	7.7	6.4	4.2	6.1	4.0	5.2
Low-end servers	6.7	10.4	11.9	10.5	9.4	10.5
Standard Intel servers	4.1	12.8	15.9	14.7	11.8	13.8
Other low-end servers	12.1	5.5	3.3	0.5	2.8	3.0
Personal computers	6.2	9.8	9.3	10.8	8.6	9.6
Traditional workstations	-14.8	-15.1	-12.0	-11.9	-6.1	-11.3
Systems total	6.0	9.6	9.3	10.3	8.4	9.4
Storage						
Disk systems	14.4	9.7	16.0	13.7	15.3	13.7
Tape	4.8	2.9	-2.2	6.3	2.5	2.3
Fibre Channel	89.7	42.3	37.7	31.6	31.2	35.7
Storage total	14.4	9.9	13.4	13.8	14.5	12.9
Peripherals						
Printers	3.3	3.5	4.0	3.8	0.7	3.0
Smart handheld devices	60.0	43.0	43.5	30.8	35.0	37.9
Other add-ons	10.7	9.1	9.2	9.6	10.9	9.7
Peripherals total	9.2	9.2	11.1	10.2	10.7	10.3
Networking equipment	9.7	8.5	8.6	8.4	9.2	8.7
Hardware total	7.4	9.4	9.7	10.1	9.2	9.6
Packaged software total	14.1	13.9	13.1	12.8	12.3	13.0
Services total	17.6	16.4	16.2	16.3	16.2	16.3
Total IT	11.1	12.1	12.1	12.5	11.9	12.1

Source: IDC, June 2002

Table 298

Proportions of IT Spending Categories in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.2	5.2	5.5	5.8	6.1	6.5
Implementation	12.4	12.9	13.4	13.8	14.3	14.9
Support services	6.3	6.2	6.2	6.3	6.5	6.7
Operations management	2.2	2.3	2.6	2.7	2.9	3.0
Training and education	1.4	1.3	1.3	1.3	1.3	1.3
Services total	26.4	27.9	29.0	30.1	31.1	32.3
Packaged software						
System infrastructure software	4.1	4.1	4.2	4.2	4.2	4.2
Appl. development and deployment	3.1	3.2	3.2	3.3	3.3	3.3
Applications	8.5	8.8	9.0	9.2	9.2	9.3
Packaged software total	15.8	16.2	16.4	16.6	16.6	16.7
Hardware						
Systems						
High-end servers	0.4	0.3	0.3	0.3	0.2	0.2
Midrange servers	2.2	2.2	2.0	1.9	1.8	1.7
Low-end servers	5.4	5.2	5.1	5.1	5.0	4.9
Standard Intel servers	3.7	3.4	3.5	3.6	3.6	3.6
Other low-end servers	1.7	1.7	1.6	1.5	1.3	1.2
Personal computers	29.8	28.5	27.9	27.2	26.8	26.0
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	38.0	36.3	35.5	34.6	33.9	32.9
Storage						
Disk systems	1.5	1.5	1.5	1.6	1.6	1.6
Tape	0.6	0.5	0.5	0.4	0.4	0.4
Fibre Channel	0.1	0.1	0.2	0.2	0.2	0.3
Storage total	2.1	2.2	2.2	2.2	2.2	2.3
Peripherals						
Printers	7.0	6.5	6.0	5.6	5.1	4.6
Smart handheld devices	0.8	1.1	1.4	1.8	2.1	2.5
Other add-ons	1.9	1.9	1.9	1.8	1.8	1.8
Peripherals total	9.7	9.5	9.3	9.2	9.0	8.9
Networking equipment	8.0	7.9	7.6	7.4	7.1	6.9
Hardware total	57.8	55.9	54.5	53.3	52.2	51.0
Packaged software total	15.8	16.2	16.4	16.6	16.6	16.7
Services total	26.4	27.9	29.0	30.1	31.1	32.3
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 299

Eastern Europe Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.3	1.6	1.8	1.9	2.0	2.1
Implementation	1.8	1.9	2.0	2.1	2.2	2.4
Support services	0.9	0.9	1.0	1.0	1.1	1.1
Operations management	0.2	0.2	0.2	0.3	0.3	0.3
Training and education	0.7	0.7	0.7	0.7	0.7	0.7
Services total	0.9	1.0	1.0	1.1	1.1	1.2
Packaged software						
System infrastructure software	1.1	1.2	1.2	1.2	1.2	1.2
Appl. development and deployment	1.1	1.1	1.1	1.1	1.1	1.1
Applications	1.5	1.5	1.6	1.6	1.6	1.6
Packaged software total	1.3	1.3	1.4	1.4	1.4	1.4
Hardware						
Systems						
High-end servers	0.5	0.4	0.5	0.6	0.5	0.6
Midrange servers	2.3	2.6	2.5	2.4	2.3	2.2
Low-end servers	2.6	2.6	2.7	2.9	3.0	3.1
Standard Intel servers	2.6	2.6	2.7	2.8	3.0	3.0
Other low-end servers	2.5	2.7	2.7	2.9	3.0	3.1
Personal computers	2.5	2.9	3.1	3.1	3.4	3.6
Traditional workstations	0.8	0.8	0.8	0.8	0.8	0.8
Systems total	2.4	2.7	2.8	2.9	3.1	3.2
Storage						
Disk systems	0.8	0.9	1.0	1.1	1.1	1.3
Tape	2.1	2.1	2.0	1.8	1.8	1.7
Fibre Channel	0.5	0.7	0.7	0.7	0.8	0.8
Storage total	1.0	1.1	1.1	1.1	1.2	1.2
Peripherals						
Printers	3.8	4.1	4.1	4.2	4.2	4.2
Smart handheld devices	1.7	2.4	2.9	3.6	4.0	4.7
Other add-ons	2.2	2.6	2.7	2.6	2.8	2.9
Peripherals total	3.1	3.4	3.5	3.6	3.8	4.0
Networking equipment	2.0	2.2	2.1	2.1	2.0	2.0
Hardware total	2.3	2.5	2.6	2.7	2.8	2.9
Packaged software total	1.3	1.3	1.4	1.4	1.4	1.4
Services total	0.9	1.0	1.0	1.1	1.1	1.2
Total IT	1.5	1.6	1.6	1.7	1.7	1.7

Source: IDC, June 2002

Table 300
IT Spending in Bulgaria, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.1	4.8	5.4	6.2	6.9	7.7
Implementation	27.6	31.2	35.0	39.6	44.7	50.3
Support services	9.8	11.1	12.5	13.8	15.2	16.8
Operations management	2.6	2.9	3.4	4.0	5.0	6.1
Training and education	1.1	1.2	1.4	1.6	1.8	2.0
Services total	45.2	51.2	57.7	65.1	73.6	82.8
Packaged software						
System infrastructure software	8.7	9.6	10.7	11.9	13.4	15.0
Appl. development and deployment	4.0	4.6	5.3	6.0	6.8	7.7
Applications	18.4	22.8	27.3	31.5	36.2	41.3
Packaged software total	31.1	37.0	43.3	49.4	56.4	64.0
Hardware						
Systems						
High-end servers	–	1.3	–	1.2	1.3	–
Midrange servers	7.9	8.7	9.2	9.6	9.0	8.7
Low-end servers	11.4	12.9	14.6	15.3	16.6	17.9
Standard Intel servers	6.4	7.6	8.8	9.4	10.6	12.1
Other low-end servers	5.0	5.3	5.8	5.9	6.0	5.8
Personal computers	64.1	72.5	84.2	87.3	93.0	99.6
Traditional workstations	0.3	0.3	0.2	0.2	0.2	0.2
Systems total	83.7	95.7	108.2	113.6	120.0	126.4
Storage						
Disk systems	2.7	4.1	4.9	5.8	6.8	8.1
Tape	1.7	2.1	2.0	2.0	2.1	2.1
Fibre Channel	0.2	0.5	0.8	1.2	1.6	2.3
Storage total	4.6	6.6	7.6	9.0	10.5	12.5
Peripherals						
Printers	13.0	13.6	13.9	14.2	14.4	14.7
Smart handheld devices	1.7	2.8	4.3	5.8	7.3	9.7
Other add-ons	7.4	8.1	9.2	9.9	11.0	12.2
Peripherals total	22.0	24.6	27.4	29.9	32.7	36.6
Networking equipment	14.6	16.4	17.9	19.0	20.6	22.3
Hardware total	124.9	143.3	161.2	171.6	183.9	197.8
Packaged software total	31.1	37.0	43.3	49.4	56.4	64.0
Services total	45.2	51.2	57.7	65.1	73.6	82.8
Total IT	201.2	231.5	262.2	286.1	313.9	344.7

Source: IDC, June 2002

Table 301
Growth in IT Spending in Bulgaria, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	17.1	12.5	14.4	11.7	11.6	12.5
Implementation	13.0	12.2	13.1	12.9	12.5	12.7
Support services	13.3	12.6	10.4	10.1	10.2	10.8
Operations management	11.5	17.2	16.2	26.6	22.0	20.4
Training and education	9.1	15.8	12.2	15.5	11.1	13.6
Services total	13.3	12.7	12.8	13.1	12.6	12.8
Packaged software						
System infrastructure software	10.3	11.5	11.2	12.6	11.9	11.8
Appl. development and deployment	15.0	15.2	13.2	13.3	13.2	13.7
Applications	23.9	19.7	15.4	14.9	14.1	16.0
Packaged software total	19.0	17.0	14.1	14.2	13.5	14.7
Hardware						
Systems						
High-end servers	–	-100.0	–	5.8	-100.0	-100.0
Midrange servers	10.2	5.7	4.3	-6.2	-3.3	–
Low-end servers	13.2	13.2	4.8	8.5	7.8	8.5
Standard Intel servers	18.8	14.6	7.7	12.7	13.4	12.1
Other low-end servers	5.9	11.1	0.4	1.7	-2.1	2.6
Personal computers	13.1	16.2	3.7	6.5	7.1	8.3
Traditional workstations	-12.5	-14.3	-12.5	-9.5	–	-9.2
Systems total	14.3	13.1	5.0	5.6	5.3	7.2
Storage						
Disk systems	50.2	19.8	19.7	17.5	18.6	18.9
Tape	21.6	-4.3	2.7	2.5	2.6	0.8
Fibre Channel	136.9	61.3	45.2	37.3	41.2	46.0
Storage total	43.6	15.4	18.0	16.7	18.9	17.2
Peripherals						
Printers	5.3	2.3	2.0	1.6	1.8	1.9
Smart handheld devices	70.3	51.3	36.2	25.7	33.2	36.3
Other add-ons	9.5	13.6	7.9	10.9	10.8	10.8
Peripherals total	11.6	11.6	9.3	9.3	11.8	10.5
Networking equipment	12.3	9.0	6.1	8.4	8.3	8.0
Hardware total	14.7	12.5	6.5	7.2	7.6	8.4
Packaged software total	19.0	17.0	14.1	14.2	13.5	14.7
Services total	13.3	12.7	12.8	13.1	12.6	12.8
Total IT	15.0	13.3	9.1	9.7	9.8	10.5

Source: IDC, June 2002

Table 302
Proportions of IT Spending Categories in Bulgaria, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.0	2.1	2.1	2.2	2.2	2.2
Implementation	13.7	13.5	13.4	13.8	14.2	14.6
Support services	4.9	4.8	4.8	4.8	4.8	4.9
Operations management	1.3	1.3	1.3	1.4	1.6	1.8
Training and education	0.5	0.5	0.5	0.5	0.6	0.6
Services total	22.5	22.1	22.0	22.8	23.4	24.0
Packaged software						
System infrastructure software	4.3	4.1	4.1	4.2	4.3	4.4
Appl. development and deployment	2.0	2.0	2.0	2.1	2.2	2.2
Applications	9.1	9.9	10.4	11.0	11.5	12.0
Packaged software total	15.5	16.0	16.5	17.3	18.0	18.6
Hardware						
Systems						
High-end servers	–	0.6	–	0.4	0.4	–
Midrange servers	3.9	3.8	3.5	3.4	2.9	2.5
Low-end servers	5.7	5.6	5.6	5.3	5.3	5.2
Standard Intel servers	3.2	3.3	3.3	3.3	3.4	3.5
Other low-end servers	2.5	2.3	2.2	2.0	1.9	1.7
Personal computers	31.8	31.3	32.1	30.5	29.6	28.9
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.1
Systems total	41.6	41.3	41.3	39.7	38.2	36.7
Storage						
Disk systems	1.3	1.8	1.9	2.0	2.2	2.3
Tape	0.8	0.9	0.8	0.7	0.7	0.6
Fibre Channel	0.1	0.2	0.3	0.4	0.5	0.7
Storage total	2.3	2.9	2.9	3.2	3.4	3.6
Peripherals						
Printers	6.4	5.9	5.3	5.0	4.6	4.3
Smart handheld devices	0.8	1.2	1.6	2.0	2.3	2.8
Other add-ons	3.7	3.5	3.5	3.5	3.5	3.5
Peripherals total	10.9	10.6	10.5	10.5	10.4	10.6
Networking equipment	7.3	7.1	6.8	6.6	6.6	6.5
Hardware total	62.1	61.9	61.5	60.0	58.6	57.4
Packaged software total	15.5	16.0	16.5	17.3	18.0	18.6
Services total	22.5	22.1	22.0	22.8	23.4	24.0
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 303
Bulgaria Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.7	0.6	0.6	0.5	0.5	0.5
Implementation	1.6	1.5	1.5	1.5	1.4	1.4
Support services	1.1	1.2	1.1	1.1	1.1	1.0
Operations management	0.9	0.8	0.8	0.7	0.8	0.8
Training and education	0.6	0.6	0.6	0.6	0.6	0.6
Services total	1.2	1.2	1.1	1.1	1.1	1.0
Packaged software						
System infrastructure software	1.5	1.5	1.5	1.5	1.5	1.5
Appl. development and deployment	0.9	0.9	0.9	0.9	0.9	1.0
Applications	1.5	1.7	1.7	1.8	1.8	1.8
Packaged software total	1.4	1.5	1.5	1.5	1.5	1.6
Hardware						
Systems						
High-end servers	–	3.1	–	2.1	2.4	–
Midrange servers	2.5	2.6	2.6	2.6	2.3	2.1
Low-end servers	1.5	1.6	1.6	1.5	1.5	1.5
Standard Intel servers	1.3	1.4	1.4	1.3	1.3	1.3
Other low-end servers	2.1	1.9	2.1	2.0	2.0	1.9
Personal computers	1.5	1.6	1.7	1.6	1.6	1.6
Traditional workstations	1.0	1.0	1.0	1.0	1.0	1.1
Systems total	1.6	1.7	1.7	1.7	1.6	1.6
Storage						
Disk systems	1.3	1.7	1.8	1.9	2.0	2.0
Tape	2.1	2.4	2.2	2.4	2.3	2.3
Fibre Channel	2.1	2.6	2.9	3.1	3.2	3.4
Storage total	1.5	1.9	2.0	2.1	2.2	2.2
Peripherals						
Printers	1.3	1.3	1.3	1.3	1.3	1.3
Smart handheld devices	1.5	1.6	1.7	1.6	1.6	1.6
Other add-ons	2.7	2.7	2.8	2.8	2.8	2.8
Peripherals total	1.6	1.6	1.7	1.7	1.6	1.7
Networking equipment	1.3	1.3	1.3	1.3	1.3	1.3
Hardware total	1.5	1.6	1.7	1.6	1.6	1.6
Packaged software total	1.4	1.5	1.5	1.5	1.5	1.6
Services total	1.2	1.2	1.1	1.1	1.1	1.0
Total IT	1.4	1.5	1.5	1.5	1.4	1.4

Source: IDC, June 2002

Table 304
Bulgaria Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0	0.0	0.0
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.0	0.0	0.0	0.0	0.0	0.0
Appl. development and deployment	0.0	0.0	0.0	0.0	0.0	0.0
Applications	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Hardware						
Systems						
High-end servers	–	0.0	–	0.0	0.0	–
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.0
Low-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Standard Intel servers	0.0	0.0	0.0	0.0	0.0	0.0
Other low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Personal computers	0.0	0.0	0.1	0.1	0.1	0.1
Traditional workstations	0.0	0.0	0.0	0.0	0.0	0.0
Systems total	0.0	0.0	0.0	0.0	0.0	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.0	0.1	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.1	0.1	0.1	0.1	0.1
Smart handheld devices	0.0	0.0	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.0	0.1	0.1	0.1	0.1	0.1
Networking equipment	0.0	0.0	0.0	0.0	0.0	0.0
Hardware total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.0	0.0	0.0	0.0	0.0	0.0

Source: IDC, June 2002

Table 305
IT Spending in Croatia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	8.2	9.4	10.9	12.6	14.1	15.9
Implementation	51.8	59.1	67.4	77.1	85.9	97.2
Support services	24.5	27.7	31.6	36.1	40.2	45.6
Operations management	2.9	3.4	4.0	5.0	5.7	6.4
Training and education	3.5	3.8	4.4	4.9	5.4	6.2
Services total	90.8	103.5	118.2	135.8	151.3	171.3
Packaged software						
System infrastructure software	17.8	19.5	21.8	24.1	26.7	29.6
Appl. development and deployment	15.8	17.8	19.8	22.1	24.6	27.3
Applications	44.0	49.3	56.5	63.4	70.6	78.4
Packaged software total	77.6	86.6	98.1	109.6	121.9	135.3
Hardware						
Systems						
High-end servers	2.6	1.3	2.4	2.4	3.7	1.2
Midrange servers	5.1	5.4	6.1	6.9	7.3	8.5
Low-end servers	16.5	18.8	22.4	24.9	30.0	33.2
Standard Intel servers	13.5	12.7	15.3	16.8	20.2	23.8
Other low-end servers	3.0	6.1	7.1	8.1	9.8	9.4
Personal computers	124.8	136.0	145.0	148.3	168.9	188.9
Traditional workstations	0.8	0.7	0.6	0.5	0.4	0.4
Systems total	149.7	162.1	176.6	183.0	210.3	232.1
Storage						
Disk systems	8.0	6.8	7.7	8.2	8.7	9.9
Tape	3.0	2.7	2.5	2.8	2.9	3.2
Fibre Channel	0.3	0.6	0.8	1.3	1.8	2.4
Storage total	11.3	10.1	11.0	12.3	13.4	15.5
Peripherals						
Printers	22.8	25.1	25.8	25.9	26.2	27.2
Smart handheld devices	3.2	5.3	7.3	9.8	13.2	18.4
Other add-ons	8.0	9.0	10.0	11.2	12.4	13.7
Peripherals total	34.0	39.4	43.2	47.0	51.8	59.2
Networking equipment	20.9	23.2	25.8	29.2	32.0	35.2
Hardware total	216.0	234.8	256.5	271.4	307.5	342.0
Packaged software total	77.6	86.6	98.1	109.6	121.9	135.3
Services total	90.8	103.5	118.2	135.8	151.3	171.3
Total IT	384.4	424.9	472.8	516.7	580.7	648.6

Source: IDC, June 2002

Table 306
Growth in IT Spending in Croatia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	15.3	15.4	16.1	12.0	12.7	14.0
Implementation	14.2	14.0	14.5	11.4	13.2	13.2
Support services	13.2	13.7	14.4	11.2	13.5	13.2
Operations management	17.6	17.6	25.0	12.9	13.3	17.1
Training and education	11.0	14.2	11.8	11.4	13.3	12.6
Services total	14.0	14.2	14.9	11.5	13.2	13.4
Packaged software						
System infrastructure software	9.6	11.8	10.6	10.8	10.9	11.0
Appl. development and deployment	12.7	11.2	11.6	11.3	11.0	11.3
Applications	12.0	14.6	12.2	11.4	11.0	12.3
Packaged software total	11.6	13.3	11.7	11.2	11.0	11.8
Hardware						
Systems						
High-end servers	-51.3	89.9	-1.8	54.7	-67.6	-1.6
Midrange servers	6.2	13.1	12.2	5.5	17.1	11.9
Low-end servers	14.2	19.1	11.4	20.3	10.7	15.3
Standard Intel servers	-5.9	21.0	9.9	20.2	17.4	17.0
Other low-end servers	104.8	15.3	14.7	20.5	-3.2	11.4
Personal computers	9.0	6.7	2.2	13.9	11.8	8.6
Traditional workstations	-13.2	-15.2	-16.1	-17.0	-5.1	-13.5
Systems total	8.3	8.9	3.6	14.9	10.4	9.4
Storage						
Disk systems	-15.0	13.2	6.5	6.1	13.6	9.8
Tape	-10.0	-7.4	12.0	2.4	11.1	4.2
Fibre Channel	117.8	31.5	60.2	45.5	31.8	41.8
Storage total	-10.5	8.8	11.6	9.3	15.6	11.3
Peripherals						
Printers	9.9	3.0	0.4	1.0	3.7	2.0
Smart handheld devices	64.2	38.9	34.2	34.4	39.0	36.6
Other add-ons	12.5	11.1	12.2	10.5	10.1	11.0
Peripherals total	15.6	9.7	8.9	10.3	14.2	10.7
Networking equipment	11.0	11.2	13.0	9.8	10.0	11.0
Hardware total	8.7	9.2	5.8	13.3	11.2	9.9
Packaged software total	11.6	13.3	11.7	11.2	11.0	11.8
Services total	14.0	14.2	14.9	11.5	13.2	13.4
Total IT	10.6	11.3	9.3	12.4	11.7	11.2

Source: IDC, June 2002

Table 307
Proportions of IT Spending Categories in Croatia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.1	2.2	2.3	2.4	2.4	2.5
Implementation	13.5	13.9	14.2	14.9	14.8	15.0
Support services	6.4	6.5	6.7	7.0	6.9	7.0
Operations management	0.8	0.8	0.8	1.0	1.0	1.0
Training and education	0.9	0.9	0.9	0.9	0.9	1.0
Services total	23.6	24.4	25.0	26.3	26.1	26.4
Packaged software						
System infrastructure software	4.6	4.6	4.6	4.7	4.6	4.6
Appl. development and deployment	4.1	4.2	4.2	4.3	4.2	4.2
Applications	11.4	11.6	12.0	12.3	12.2	12.1
Packaged software total	20.2	20.4	20.7	21.2	21.0	20.9
Hardware						
Systems						
High-end servers	0.7	0.3	0.5	0.5	0.6	0.2
Midrange servers	1.3	1.3	1.3	1.3	1.2	1.3
Low-end servers	4.3	4.4	4.7	4.8	5.2	5.1
Standard Intel servers	3.5	3.0	3.2	3.3	3.5	3.7
Other low-end servers	0.8	1.4	1.5	1.6	1.7	1.5
Personal computers	32.5	32.0	30.7	28.7	29.1	29.1
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	39.0	38.2	37.3	35.4	36.2	35.8
Storage						
Disk systems	2.1	1.6	1.6	1.6	1.5	1.5
Tape	0.8	0.6	0.5	0.5	0.5	0.5
Fibre Channel	0.1	0.1	0.2	0.2	0.3	0.4
Storage total	2.9	2.4	2.3	2.4	2.3	2.4
Peripherals						
Printers	5.9	5.9	5.5	5.0	4.5	4.2
Smart handheld devices	0.8	1.2	1.6	1.9	2.3	2.8
Other add-ons	2.1	2.1	2.1	2.2	2.1	2.1
Peripherals total	8.9	9.3	9.1	9.1	8.9	9.1
Networking equipment	5.4	5.5	5.5	5.6	5.5	5.4
Hardware total	56.2	55.3	54.3	52.5	52.9	52.7
Packaged software total	20.2	20.4	20.7	21.2	21.0	20.9
Services total	23.6	24.4	25.0	26.3	26.1	26.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 308

Croatia Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.4	1.2	1.1	1.1	1.0	1.0
Implementation	3.0	2.9	2.9	2.8	2.7	2.7
Support services	2.8	2.9	2.9	2.9	2.8	2.8
Operations management	1.0	0.9	0.9	0.9	0.9	0.9
Training and education	1.8	1.8	1.9	1.9	1.9	1.9
Services total	2.4	2.4	2.3	2.3	2.2	2.1
Packaged software						
System infrastructure software	3.1	3.0	3.0	2.9	2.9	2.9
Appl. development and deployment	3.6	3.6	3.5	3.5	3.4	3.4
Applications	3.7	3.6	3.6	3.5	3.5	3.4
Packaged software total	3.5	3.4	3.4	3.4	3.3	3.3
Hardware						
Systems						
High-end servers	5.1	3.0	4.7	4.3	7.0	2.2
Midrange servers	1.6	1.6	1.7	1.8	1.8	2.1
Low-end servers	2.2	2.3	2.5	2.5	2.7	2.8
Standard Intel servers	2.6	2.4	2.5	2.4	2.5	2.6
Other low-end servers	1.2	2.3	2.5	2.8	3.3	3.1
Personal computers	3.0	3.1	3.0	2.8	2.9	2.9
Traditional workstations	2.3	2.4	2.4	2.3	2.1	2.2
Systems total	2.8	2.9	2.8	2.7	2.8	2.9
Storage						
Disk systems	3.8	2.8	2.9	2.7	2.5	2.5
Tape	3.7	3.1	2.8	3.2	3.1	3.4
Fibre Channel	2.7	3.0	2.8	3.3	3.6	3.6
Storage total	3.7	2.9	2.9	2.9	2.7	2.8
Peripherals						
Printers	2.3	2.5	2.5	2.4	2.3	2.4
Smart handheld devices	3.0	3.1	3.0	2.8	2.9	2.9
Other add-ons	2.9	3.0	3.0	3.1	3.2	3.1
Peripherals total	2.5	2.6	2.7	2.6	2.6	2.7
Networking equipment	1.9	1.9	1.9	2.0	2.0	2.1
Hardware total	2.7	2.7	2.7	2.6	2.7	2.7
Packaged software total	3.5	3.4	3.4	3.4	3.3	3.3
Services total	2.4	2.4	2.3	2.3	2.2	2.1
Total IT	2.7	2.7	2.7	2.6	2.6	2.6

Source: IDC, June 2002

Table 309
Croatia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.0	0.0	0.0	0.0	0.0	0.0
Appl. development and deployment	0.0	0.0	0.0	0.0	0.0	0.0
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Midrange servers	0.0	0.0	0.0	0.0	0.0	0.0
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.0	0.1	0.1	0.1	0.1	0.1
Personal computers	0.1	0.1	0.1	0.1	0.1	0.1
Traditional workstations	0.0	0.0	0.0	0.0	0.0	0.0
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.1	0.1	0.1	0.1	0.1
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.1	0.1	0.1	0.1	0.1	0.1
Networking equipment	0.0	0.0	0.0	0.0	0.0	0.0
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.0	0.0	0.0	0.0	0.0	0.0

Source: IDC, June 2002

Table 310

IT Spending in the Czech Republic, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	133.9	148.4	166.8	185.9	204.8	225.6
Implementation	291.9	321.3	357.2	395.9	434.6	480.5
Support services	150.2	158.9	172.9	185.9	204.6	224.7
Operations management	108.4	123.1	140.8	158.7	176.8	195.0
Training and education	24.1	27.3	31.3	35.6	39.2	43.3
Services total	708.4	779.0	869.0	962.0	1,060.0	1,169.0
Packaged software						
System infrastructure software	118.6	134.1	151.3	169.8	190.7	213.0
Appl. development and deployment	70.4	80.5	91.6	104.2	118.1	132.4
Applications	176.0	203.5	233.8	268.1	305.6	346.7
Packaged software total	365.0	418.1	476.7	542.1	614.4	692.1
Hardware						
Systems						
High-end servers	1.5	3.1	4.5	1.5	2.9	2.4
Midrange servers	57.3	62.2	67.4	71.9	74.4	75.0
Low-end servers	102.9	107.3	118.0	125.3	135.6	142.3
Standard Intel servers	59.3	65.6	72.4	77.9	86.6	92.3
Other low-end servers	43.6	41.7	45.6	47.4	49.0	50.0
Personal computers	368.9	394.0	413.5	447.3	480.8	510.9
Traditional workstations	4.9	4.0	3.4	3.1	2.9	2.8
Systems total	535.6	570.5	606.8	649.1	696.6	733.4
Storage						
Disk systems	42.8	46.7	46.8	52.4	58.2	55.6
Tape	11.6	12.1	12.3	12.0	12.5	12.7
Fibre Channel	1.9	3.3	4.5	5.5	7.0	9.8
Storage total	56.3	62.1	63.6	69.9	77.7	78.1
Peripherals						
Printers	71.2	71.0	72.2	72.5	72.6	72.3
Smart handheld devices	9.5	15.3	20.9	29.7	37.7	49.7
Other add-ons	45.6	49.5	53.9	58.6	63.7	69.3
Peripherals total	126.3	135.8	147.0	160.8	173.9	191.3
Networking equipment	163.0	175.1	186.3	196.5	211.3	229.6
Hardware total	881.2	943.6	1,003.6	1,076.3	1,159.5	1,232.4
Packaged software total	365.0	418.1	476.7	542.1	614.4	692.1
Services total	708.4	779.0	869.0	962.0	1,060.0	1,169.0
Total IT	1,954.6	2,140.6	2,349.4	2,580.4	2,833.8	3,093.5

Source: IDC, June 2002

Table 311
Growth in IT Spending in the Czech Republic, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	10.8	12.4	11.4	10.2	10.1	11.0
Implementation	10.1	11.1	10.8	9.8	10.6	10.6
Support services	5.8	8.8	7.5	10.1	9.8	9.0
Operations management	13.6	14.4	12.8	11.4	10.3	12.2
Training and education	13.2	14.7	13.8	10.2	10.3	12.2
Services total	10.0	11.6	10.7	10.2	10.3	10.7
Packaged software						
System infrastructure software	13.1	12.8	12.2	12.3	11.7	12.3
Appl. development and deployment	14.3	13.9	13.7	13.3	12.1	13.3
Applications	15.6	14.9	14.7	14.0	13.4	14.3
Packaged software total	14.5	14.0	13.7	13.3	12.7	13.4
Hardware						
Systems						
High-end servers	102.0	43.7	-67.0	98.0	-18.4	-6.4
Midrange servers	8.5	8.4	6.7	3.4	0.8	4.8
Low-end servers	4.3	9.9	6.2	8.2	5.0	7.3
Standard Intel servers	10.7	10.3	7.6	11.1	6.7	8.9
Other low-end servers	-4.5	9.4	4.0	3.4	2.0	4.6
Personal computers	6.8	5.0	8.2	7.5	6.3	6.7
Traditional workstations	-19.3	-13.6	-10.2	-6.8	-3.5	-8.6
Systems total	6.5	6.3	7.0	7.3	5.3	6.5
Storage						
Disk systems	9.1	0.2	12.0	11.1	-4.5	4.5
Tape	4.3	1.7	-2.4	4.2	1.6	1.2
Fibre Channel	77.2	35.1	23.5	27.3	40.0	31.3
Storage total	10.4	2.3	10.0	11.2	0.5	5.9
Peripherals						
Printers	-0.3	1.7	0.4	0.1	-0.4	0.5
Smart handheld devices	60.9	36.7	42.0	26.9	32.1	34.3
Other add-ons	8.6	8.9	8.7	8.7	8.8	8.8
Peripherals total	7.5	8.3	9.4	8.2	10.0	9.0
Networking equipment	7.4	6.4	5.4	7.6	8.7	7.0
Hardware total	7.1	6.4	7.2	7.7	6.3	6.9
Packaged software total	14.5	14.0	13.7	13.3	12.7	13.4
Services total	10.0	11.6	10.7	10.2	10.3	10.7
Total IT	9.5	9.8	9.8	9.8	9.2	9.6

Source: IDC, June 2002

Table 312

Proportions of IT Spending Categories in the Czech Republic, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.9	6.9	7.1	7.2	7.2	7.3
Implementation	14.9	15.0	15.2	15.3	15.3	15.5
Support services	7.7	7.4	7.4	7.2	7.2	7.3
Operations management	5.5	5.7	6.0	6.2	6.2	6.3
Training and education	1.2	1.3	1.3	1.4	1.4	1.4
Services total	36.2	36.4	37.0	37.3	37.4	37.8
Packaged software						
System infrastructure software	6.1	6.3	6.4	6.6	6.7	6.9
Appl. development and deployment	3.6	3.8	3.9	4.0	4.2	4.3
Applications	9.0	9.5	10.0	10.4	10.8	11.2
Packaged software total	18.7	19.5	20.3	21.0	21.7	22.4
Hardware						
Systems						
High-end servers	0.1	0.1	0.2	0.1	0.1	0.1
Midrange servers	2.9	2.9	2.9	2.8	2.6	2.4
Low-end servers	5.3	5.0	5.0	4.9	4.8	4.6
Standard Intel servers	3.0	3.1	3.1	3.0	3.1	3.0
Other low-end servers	2.2	1.9	1.9	1.8	1.7	1.6
Personal computers	18.9	18.4	17.6	17.3	17.0	16.5
Traditional workstations	0.3	0.2	0.1	0.1	0.1	0.1
Systems total	27.4	26.7	25.8	25.2	24.6	23.7
Storage						
Disk systems	2.2	2.2	2.0	2.0	2.1	1.8
Tape	0.6	0.6	0.5	0.5	0.4	0.4
Fibre Channel	0.1	0.2	0.2	0.2	0.2	0.3
Storage total	2.9	2.9	2.7	2.7	2.7	2.5
Peripherals						
Printers	3.6	3.3	3.1	2.8	2.6	2.3
Smart handheld devices	0.5	0.7	0.9	1.2	1.3	1.6
Other add-ons	2.3	2.3	2.3	2.3	2.2	2.2
Peripherals total	6.5	6.3	6.3	6.2	6.1	6.2
Networking equipment	8.3	8.2	7.9	7.6	7.5	7.4
Hardware total	45.1	44.1	42.7	41.7	40.9	39.8
Packaged software total	18.7	19.5	20.3	21.0	21.7	22.4
Services total	36.2	36.4	37.0	37.3	37.4	37.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 313
Czech Republic Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	22.7	18.4	17.3	16.2	15.1	14.1
Implementation	16.7	15.9	15.3	14.6	13.8	13.1
Support services	17.1	16.6	15.9	14.9	14.2	13.6
Operations management	35.9	33.6	31.4	29.6	28.0	26.8
Training and education	12.6	13.1	13.4	13.7	13.6	13.4
Services total	19.1	17.9	17.1	16.3	15.4	14.7
Packaged software						
System infrastructure software	20.6	20.7	20.7	20.8	20.8	20.8
Appl. development and deployment	16.0	16.1	16.2	16.3	16.4	16.4
Applications	14.7	14.8	14.8	14.9	15.1	15.2
Packaged software total	16.5	16.6	16.6	16.7	16.7	16.8
Hardware						
Systems						
High-end servers	3.0	7.4	8.8	2.6	5.6	4.3
Midrange servers	18.3	18.5	18.8	19.3	18.8	18.2
Low-end servers	13.6	13.3	13.3	12.6	12.3	11.8
Standard Intel servers	11.5	12.2	12.0	11.1	10.8	10.3
Other low-end servers	18.2	15.5	16.0	16.1	16.6	16.5
Personal computers	8.8	8.9	8.5	8.4	8.1	8.0
Traditional workstations	15.0	14.2	14.5	14.8	15.6	16.1
Systems total	10.0	10.1	9.8	9.6	9.3	9.0
Storage						
Disk systems	20.4	19.5	17.8	17.2	16.8	13.9
Tape	14.2	14.1	13.9	13.9	13.6	13.5
Fibre Channel	18.1	16.9	16.0	14.4	13.9	14.8
Storage total	18.7	18.0	16.8	16.3	15.9	13.9
Peripherals						
Printers	7.2	7.0	6.9	6.6	6.4	6.3
Smart handheld devices	8.8	8.9	8.5	8.4	8.1	8.0
Other add-ons	16.8	16.5	16.4	16.4	16.2	15.9
Peripherals total	9.3	9.1	9.0	8.9	8.7	8.7
Networking equipment	14.6	14.3	14.0	13.6	13.5	13.4
Hardware total	10.9	10.8	10.5	10.3	10.1	9.8
Packaged software total	16.5	16.6	16.6	16.7	16.7	16.8
Services total	19.1	17.9	17.1	16.3	15.4	14.7
Total IT	13.9	13.7	13.4	13.2	12.8	12.5

Source: IDC, June 2002

Table 314
Czech Republic Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.3	0.3	0.3	0.3	0.3	0.3
Implementation	0.3	0.3	0.3	0.3	0.3	0.3
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Midrange servers	0.4	0.5	0.5	0.5	0.4	0.4
Low-end servers	0.3	0.3	0.4	0.4	0.4	0.4
Standard Intel servers	0.3	0.3	0.3	0.3	0.3	0.3
Other low-end servers	0.4	0.4	0.4	0.5	0.5	0.5
Personal computers	0.2	0.3	0.3	0.3	0.3	0.3
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.2	0.3	0.3	0.3	0.3	0.3
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.2	0.2
Tape	0.3	0.3	0.3	0.3	0.2	0.2
Fibre Channel	0.1	0.1	0.1	0.1	0.1	0.1
Storage total	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.3	0.3	0.3	0.3	0.3	0.3
Smart handheld devices	0.2	0.2	0.2	0.3	0.3	0.4
Other add-ons	0.4	0.4	0.4	0.4	0.4	0.5
Peripherals total	0.3	0.3	0.3	0.3	0.3	0.3
Networking equipment	0.3	0.3	0.3	0.3	0.3	0.3
Hardware total	0.2	0.3	0.3	0.3	0.3	0.3
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 315
IT Spending in Hungary, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	100.4	109.7	121.5	135.5	150.8	168.7
Implementation	209.9	233.4	260.4	292.8	329.1	366.3
Support services	106.4	115.3	124.0	136.9	152.3	168.7
Operations management	58.0	71.4	84.5	99.0	115.2	129.1
Training and education	29.8	32.6	35.7	37.9	41.8	45.7
Services total	504.4	562.4	626.1	702.1	789.3	878.5
Packaged software						
System infrastructure software	91.5	101.3	112.3	124.2	137.2	152.2
Appl. development and deployment	73.1	83.6	95.5	108.8	123.5	139.2
Applications	161.0	183.9	210.2	239.0	269.8	303.4
Packaged software total	325.6	368.8	418.0	472.0	530.5	594.8
Hardware						
Systems						
High-end servers	4.4	3.0	1.5	4.3	2.9	3.2
Midrange servers	38.8	43.0	44.2	45.8	47.5	46.3
Low-end servers	58.8	60.5	66.7	75.8	78.2	82.3
Standard Intel servers	31.9	29.0	31.9	42.2	42.9	45.7
Other low-end servers	26.9	31.5	34.7	33.6	35.3	36.6
Personal computers	278.7	297.1	309.0	327.1	352.9	379.8
Traditional workstations	4.4	3.7	3.1	2.6	2.1	1.9
Systems total	385.1	407.3	424.5	455.6	483.6	513.5
Storage						
Disk systems	34.2	39.8	40.7	43.2	48.2	52.9
Tape	6.5	7.2	7.4	8.2	8.1	8.4
Fibre Channel	1.5	2.4	3.4	4.1	5.7	7.3
Storage total	42.2	49.4	51.5	55.5	62.0	68.6
Peripherals						
Printers	51.5	50.8	50.7	50.8	51.7	52.6
Smart handheld devices	7.2	11.5	15.6	21.7	27.6	37.0
Other add-ons	29.5	32.4	35.6	39.0	42.7	46.7
Peripherals total	88.2	94.7	101.9	111.5	122.1	136.3
Networking equipment	88.5	97.2	106.6	117.4	128.5	141.8
Hardware total	604.1	648.7	684.6	740.0	796.1	860.2
Packaged software total	325.6	368.8	418.0	472.0	530.5	594.8
Services total	504.4	562.4	626.1	702.1	789.3	878.5
Total IT	1,434.1	1,580.0	1,728.6	1,914.1	2,115.9	2,333.5

Source: IDC, June 2002

Table 316

Growth in IT Spending in Hungary, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	9.3	10.7	11.6	11.3	11.9	11.4
Implementation	11.2	11.6	12.4	12.4	11.3	11.9
Support services	8.3	7.5	10.4	11.3	10.7	10.0
Operations management	23.1	18.3	17.1	16.4	12.1	16.0
Training and education	9.6	9.4	6.2	10.3	9.2	8.8
Services total	11.5	11.3	12.1	12.4	11.3	11.8
Packaged software						
System infrastructure software	10.7	10.9	10.6	10.5	10.9	10.7
Appl. development and deployment	14.5	14.2	13.9	13.5	12.7	13.6
Applications	14.2	14.3	13.7	12.9	12.4	13.3
Packaged software total	13.3	13.3	12.9	12.4	12.1	12.7
Hardware						
Systems						
High-end servers	-32.7	-50.5	197.0	-34.0	11.7	2.0
Midrange servers	11.0	2.8	3.5	3.7	-2.5	1.8
Low-end servers	2.9	10.3	13.7	3.2	5.2	8.0
Standard Intel servers	-9.3	10.3	32.1	1.8	6.4	12.1
Other low-end servers	17.3	10.2	-3.3	5.0	3.8	3.6
Personal computers	6.6	4.0	5.8	7.9	7.6	6.3
Traditional workstations	-15.8	-16.4	-17.0	-18.1	-10.8	-15.6
Systems total	5.8	4.2	7.3	6.1	6.2	6.0
Storage						
Disk systems	16.5	2.3	6.1	11.6	9.8	7.4
Tape	10.8	2.8	10.8	-1.2	3.7	3.9
Fibre Channel	58.2	40.6	19.0	39.0	28.1	31.4
Storage total	17.1	4.2	7.7	11.7	10.6	8.5
Peripherals						
Printers	-1.4	-0.2	0.2	1.9	1.7	0.9
Smart handheld devices	60.6	35.5	38.9	27.4	33.8	33.8
Other add-ons	9.8	9.9	9.7	9.3	9.4	9.6
Peripherals total	7.4	7.6	9.5	9.5	11.7	9.5
Networking equipment	9.8	9.7	10.1	9.5	10.4	9.9
Hardware total	7.4	5.5	8.1	7.6	8.0	7.3
Packaged software total	13.3	13.3	12.9	12.4	12.1	12.7
Services total	11.5	11.3	12.1	12.4	11.3	11.8
Total IT	10.2	9.4	10.7	10.5	10.3	10.2

Source: IDC, June 2002

Table 317
Proportions of IT Spending Categories in Hungary, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.0	6.9	7.0	7.1	7.1	7.2
Implementation	14.6	14.8	15.1	15.3	15.6	15.7
Support services	7.4	7.3	7.2	7.2	7.2	7.2
Operations management	4.0	4.5	4.9	5.2	5.4	5.5
Training and education	2.1	2.1	2.1	2.0	2.0	2.0
Services total	35.2	35.6	36.2	36.7	37.3	37.6
Packaged software						
System infrastructure software	6.4	6.4	6.5	6.5	6.5	6.5
Appl. development and deployment	5.1	5.3	5.5	5.7	5.8	6.0
Applications	11.2	11.6	12.2	12.5	12.8	13.0
Packaged software total	22.7	23.3	24.2	24.7	25.1	25.5
Hardware						
Systems						
High-end servers	0.3	0.2	0.1	0.2	0.1	0.1
Midrange servers	2.7	2.7	2.6	2.4	2.2	2.0
Low-end servers	4.1	3.8	3.9	4.0	3.7	3.5
Standard Intel servers	2.2	1.8	1.8	2.2	2.0	2.0
Other low-end servers	1.9	2.0	2.0	1.8	1.7	1.6
Personal computers	19.4	18.8	17.9	17.1	16.7	16.3
Traditional workstations	0.3	0.2	0.2	0.1	0.1	0.1
Systems total	26.9	25.8	24.6	23.8	22.9	22.0
Storage						
Disk systems	2.4	2.5	2.4	2.3	2.3	2.3
Tape	0.5	0.5	0.4	0.4	0.4	0.4
Fibre Channel	0.1	0.2	0.2	0.2	0.3	0.3
Storage total	2.9	3.1	3.0	2.9	2.9	2.9
Peripherals						
Printers	3.6	3.2	2.9	2.7	2.4	2.3
Smart handheld devices	0.5	0.7	0.9	1.1	1.3	1.6
Other add-ons	2.1	2.1	2.1	2.0	2.0	2.0
Peripherals total	6.2	6.0	5.9	5.8	5.8	5.8
Networking equipment	6.2	6.2	6.2	6.1	6.1	6.1
Hardware total	42.1	41.1	39.6	38.7	37.6	36.9
Packaged software total	22.7	23.3	24.2	24.7	25.1	25.5
Services total	35.2	35.6	36.2	36.7	37.3	37.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 318
Hungary Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	17.1	13.6	12.6	11.8	11.1	10.6
Implementation	12.0	11.6	11.1	10.8	10.4	10.0
Support services	12.1	12.0	11.4	11.0	10.6	10.2
Operations management	19.2	19.5	18.9	18.5	18.2	17.7
Training and education	15.6	15.6	15.3	14.6	14.5	14.2
Services total	13.6	12.9	12.3	11.9	11.5	11.0
Packaged software						
System infrastructure software	15.9	15.7	15.4	15.2	14.9	14.9
Appl. development and deployment	16.6	16.7	16.9	17.1	17.1	17.3
Applications	13.5	13.3	13.3	13.3	13.3	13.3
Packaged software total	14.7	14.6	14.5	14.5	14.5	14.4
Hardware						
Systems						
High-end servers	8.5	7.0	2.8	7.7	5.4	5.8
Midrange servers	12.4	12.8	12.4	12.3	12.0	11.2
Low-end servers	7.8	7.5	7.5	7.6	7.1	6.8
Standard Intel servers	6.2	5.4	5.3	6.0	5.3	5.1
Other low-end servers	11.2	11.7	12.2	11.4	11.9	12.1
Personal computers	6.7	6.7	6.3	6.1	6.0	5.9
Traditional workstations	13.6	13.4	13.2	12.5	11.6	11.0
Systems total	7.2	7.2	6.8	6.7	6.5	6.3
Storage						
Disk systems	16.3	16.6	15.5	14.2	13.9	13.2
Tape	7.9	8.4	8.4	9.5	8.8	8.9
Fibre Channel	15.1	12.5	12.4	10.7	11.3	11.0
Storage total	14.0	14.3	13.6	12.9	12.7	12.2
Peripherals						
Printers	5.2	5.0	4.8	4.6	4.6	4.6
Smart handheld devices	6.7	6.7	6.3	6.1	6.0	5.9
Other add-ons	10.9	10.8	10.9	10.9	10.9	10.7
Peripherals total	6.5	6.4	6.3	6.2	6.1	6.2
Networking equipment	7.9	7.9	8.0	8.1	8.2	8.3
Hardware total	7.4	7.4	7.2	7.1	6.9	6.8
Packaged software total	14.7	14.6	14.5	14.5	14.5	14.4
Services total	13.6	12.9	12.3	11.9	11.5	11.0
Total IT	10.2	10.1	9.9	9.8	9.6	9.5

Source: IDC, June 2002

Table 319
Hungary Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Midrange servers	0.3	0.3	0.3	0.3	0.3	0.2
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.1	0.1	0.2	0.2	0.2
Other low-end servers	0.3	0.3	0.3	0.3	0.4	0.4
Personal computers	0.2	0.2	0.2	0.2	0.2	0.2
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.2	0.2	0.2	0.2	0.2	0.2
Storage						
Disk systems	0.1	0.2	0.2	0.2	0.2	0.2
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.1	0.1	0.1	0.1	0.1	0.1
Storage total	0.1	0.2	0.1	0.1	0.1	0.2
Peripherals						
Printers	0.2	0.2	0.2	0.2	0.2	0.2
Smart handheld devices	0.1	0.2	0.2	0.2	0.2	0.3
Other add-ons	0.2	0.3	0.3	0.3	0.3	0.3
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.2
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 320
IT Spending in Poland, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	101.1	117.8	137.1	160.9	186.6	213.7
Implementation	374.1	423.0	483.0	558.9	646.6	737.9
Support services	162.9	177.1	194.0	214.8	248.0	282.8
Operations management	70.9	92.0	108.7	133.7	156.1	178.6
Training and education	45.2	49.9	56.8	64.8	74.8	85.6
Services total	754.1	859.8	979.6	1,133.1	1,312.1	1,498.5
Packaged software						
System infrastructure software	151.4	173.5	198.8	227.1	259.1	294.8
Appl. development and deployment	99.4	112.6	127.7	144.5	163.3	184.2
Applications	261.7	301.0	345.6	394.6	448.7	508.4
Packaged software total	512.6	587.1	672.1	766.2	871.1	987.4
Hardware						
Systems						
High-end servers	9.4	7.3	12.1	14.3	4.7	6.2
Midrange servers	95.0	93.8	98.7	102.3	104.1	109.0
Low-end servers	156.8	159.6	182.3	213.2	232.7	248.5
Standard Intel servers	97.2	93.4	108.4	131.9	154.5	169.4
Other low-end servers	59.6	66.2	73.9	81.3	78.2	79.1
Personal computers	892.7	922.3	1,074.4	1,215.8	1,308.9	1,370.1
Traditional workstations	4.8	4.2	3.5	3.3	3.0	2.7
Systems total	1,158.7	1,187.2	1,371.0	1,549.0	1,653.4	1,736.6
Storage						
Disk systems	52.1	56.0	58.0	69.3	81.5	97.3
Tape	16.9	17.1	19.0	18.3	19.1	19.1
Fibre Channel	3.4	5.7	8.0	11.0	13.2	16.6
Storage total	72.4	78.8	85.0	98.6	113.8	133.0
Peripherals						
Printers	155.0	158.9	161.8	165.4	167.7	170.7
Smart handheld devices	23.0	35.8	54.3	80.7	102.5	133.4
Other add-ons	40.8	44.2	47.8	51.8	56.0	60.5
Peripherals total	218.8	238.9	263.9	297.9	326.2	364.6
Networking equipment	215.2	231.7	248.0	266.5	286.1	307.1
Hardware total	1,665.1	1,736.5	1,967.9	2,212.0	2,379.5	2,541.3
Packaged software total	512.6	587.1	672.1	766.2	871.1	987.4
Services total	754.1	859.8	979.6	1,133.1	1,312.1	1,498.5
Total IT	2,931.8	3,183.4	3,619.6	4,111.3	4,562.7	5,027.2

Source: IDC, June 2002

Table 321
Growth in IT Spending in Poland, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	16.6	16.4	17.3	16.0	14.5	16.1
Implementation	13.1	14.2	15.7	15.7	14.1	14.9
Support services	8.7	9.5	10.8	15.4	14.0	12.4
Operations management	29.8	18.2	23.0	16.8	14.4	18.0
Training and education	10.2	13.9	14.0	15.5	14.4	14.5
Services total	14.0	13.9	15.7	15.8	14.2	14.9
Packaged software						
System infrastructure software	14.6	14.6	14.2	14.1	13.8	14.2
Appl. development and deployment	13.2	13.4	13.2	13.0	12.8	13.1
Applications	15.0	14.8	14.2	13.7	13.3	14.0
Packaged software total	14.5	14.5	14.0	13.7	13.4	13.9
Hardware						
Systems						
High-end servers	-22.2	65.0	18.8	-67.0	31.0	-4.0
Midrange servers	-1.3	5.2	3.6	1.8	4.7	3.8
Low-end servers	1.8	14.2	17.0	9.1	6.8	11.7
Standard Intel servers	-3.9	16.0	21.7	17.1	9.6	16.0
Other low-end servers	11.0	11.7	10.0	-3.8	1.2	4.6
Personal computers	3.3	16.5	13.2	7.7	4.7	10.4
Traditional workstations	-12.2	-15.6	-5.1	-11.0	-8.7	-10.2
Systems total	2.5	15.5	13.0	6.7	5.0	10.0
Storage						
Disk systems	7.5	3.6	19.5	17.6	19.4	14.8
Tape	1.2	11.1	-3.7	4.4	–	2.8
Fibre Channel	68.5	40.5	37.6	20.0	25.8	30.7
Storage total	8.9	7.9	16.0	15.4	16.9	14.0
Peripherals						
Printers	2.5	1.8	2.3	1.4	1.8	1.8
Smart handheld devices	55.6	51.7	48.6	27.1	30.1	38.9
Other add-ons	8.3	8.1	8.4	8.1	8.0	8.2
Peripherals total	9.2	10.4	12.9	9.5	11.8	11.1
Networking equipment	7.7	7.0	7.5	7.4	7.3	7.3
Hardware total	4.3	13.3	12.4	7.6	6.8	10.0
Packaged software total	14.5	14.5	14.0	13.7	13.4	13.9
Services total	14.0	13.9	15.7	15.8	14.2	14.9
Total IT	8.6	13.7	13.6	11.0	10.2	12.1

Source: IDC, June 2002

Table 322

Proportions of IT Spending Categories in Poland, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.4	3.7	3.8	3.9	4.1	4.3
Implementation	12.8	13.3	13.3	13.6	14.2	14.7
Support services	5.6	5.6	5.4	5.2	5.4	5.6
Operations management	2.4	2.9	3.0	3.3	3.4	3.6
Training and education	1.5	1.6	1.6	1.6	1.6	1.7
Services total	25.7	27.0	27.1	27.6	28.8	29.8
Packaged software						
System infrastructure software	5.2	5.5	5.5	5.5	5.7	5.9
Appl. development and deployment	3.4	3.5	3.5	3.5	3.6	3.7
Applications	8.9	9.5	9.5	9.6	9.8	10.1
Packaged software total	17.5	18.4	18.6	18.6	19.1	19.6
Hardware						
Systems						
High-end servers	0.3	0.2	0.3	0.3	0.1	0.1
Midrange servers	3.2	2.9	2.7	2.5	2.3	2.2
Low-end servers	5.3	5.0	5.0	5.2	5.1	4.9
Standard Intel servers	3.3	2.9	3.0	3.2	3.4	3.4
Other low-end servers	2.0	2.1	2.0	2.0	1.7	1.6
Personal computers	30.5	29.0	29.7	29.6	28.7	27.3
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.1
Systems total	39.5	37.3	37.9	37.7	36.2	34.5
Storage						
Disk systems	1.8	1.8	1.6	1.7	1.8	1.9
Tape	0.6	0.5	0.5	0.4	0.4	0.4
Fibre Channel	0.1	0.2	0.2	0.3	0.3	0.3
Storage total	2.5	2.5	2.3	2.4	2.5	2.6
Peripherals						
Printers	5.3	5.0	4.5	4.0	3.7	3.4
Smart handheld devices	0.8	1.1	1.5	2.0	2.2	2.7
Other add-ons	1.4	1.4	1.3	1.3	1.2	1.2
Peripherals total	7.5	7.5	7.3	7.2	7.1	7.3
Networking equipment	7.3	7.3	6.9	6.5	6.3	6.1
Hardware total	56.8	54.6	54.4	53.8	52.2	50.6
Packaged software total	17.5	18.4	18.6	18.6	19.1	19.6
Services total	25.7	27.0	27.1	27.6	28.8	29.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 323

Poland Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	17.2	14.6	14.2	14.1	13.8	13.4
Implementation	21.4	21.0	20.6	20.6	20.5	20.1
Support services	18.5	18.4	17.8	17.3	17.2	17.1
Operations management	23.5	25.1	24.3	24.9	24.7	24.5
Training and education	23.7	23.9	24.3	25.0	25.9	26.5
Services total	20.3	19.7	19.3	19.2	19.1	18.8
Packaged software						
System infrastructure software	26.3	26.8	27.3	27.8	28.2	28.8
Appl. development and deployment	22.5	22.5	22.6	22.6	22.7	22.8
Applications	21.9	21.8	21.9	22.0	22.1	22.2
Packaged software total	23.2	23.3	23.4	23.6	23.7	24.0
Hardware						
Systems						
High-end servers	18.2	17.3	23.5	25.6	9.0	11.2
Midrange servers	30.4	27.9	27.6	27.4	26.3	26.5
Low-end servers	20.8	19.8	20.5	21.4	21.2	20.7
Standard Intel servers	18.9	17.4	17.9	18.8	19.2	18.9
Other low-end servers	24.8	24.6	26.0	27.7	26.5	26.1
Personal computers	21.3	20.7	22.0	22.8	22.1	21.3
Traditional workstations	14.6	15.0	15.0	16.1	16.3	15.8
Systems total	21.7	21.0	22.1	22.8	22.1	21.4
Storage						
Disk systems	24.9	23.4	22.0	22.7	23.5	24.3
Tape	20.7	19.9	21.5	21.2	20.8	20.3
Fibre Channel	32.8	29.1	28.8	28.8	26.2	25.1
Storage total	24.0	22.8	22.4	22.9	23.3	23.7
Peripherals						
Printers	15.8	15.7	15.4	15.1	14.8	14.9
Smart handheld devices	21.3	20.7	22.0	22.8	22.1	21.3
Other add-ons	15.0	14.7	14.6	14.5	14.3	13.9
Peripherals total	16.1	16.1	16.2	16.5	16.4	16.5
Networking equipment	19.3	18.9	18.6	18.4	18.3	18.0
Hardware total	20.5	19.9	20.6	21.1	20.6	20.2
Packaged software total	23.2	23.3	23.4	23.6	23.7	24.0
Services total	20.3	19.7	19.3	19.2	19.1	18.8
Total IT	20.9	20.4	20.7	21.0	20.7	20.4

Source: IDC, June 2002

Table 324
Poland Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.3	0.3	0.3	0.3
Implementation	0.4	0.4	0.4	0.4	0.5	0.5
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.0	0.1	0.1	0.1	0.1	0.1
Training and education	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.3	0.3	0.3	0.3	0.3	0.3
Appl. development and deployment	0.2	0.2	0.3	0.2	0.2	0.2
Applications	0.3	0.3	0.4	0.4	0.4	0.4
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.2	0.0	0.1
Midrange servers	0.7	0.7	0.7	0.6	0.6	0.6
Low-end servers	0.5	0.5	0.6	0.6	0.6	0.6
Standard Intel servers	0.5	0.5	0.5	0.5	0.6	0.6
Other low-end servers	0.6	0.7	0.7	0.8	0.8	0.8
Personal computers	0.5	0.6	0.7	0.7	0.7	0.8
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.5	0.6	0.6	0.7	0.7	0.7
Storage						
Disk systems	0.2	0.2	0.2	0.2	0.3	0.3
Tape	0.4	0.4	0.4	0.4	0.4	0.3
Fibre Channel	0.2	0.2	0.2	0.2	0.2	0.2
Storage total	0.2	0.2	0.2	0.3	0.3	0.3
Peripherals						
Printers	0.6	0.6	0.6	0.6	0.6	0.6
Smart handheld devices	0.4	0.5	0.6	0.8	0.9	1.0
Other add-ons	0.3	0.4	0.4	0.4	0.4	0.4
Peripherals total	0.5	0.5	0.6	0.6	0.6	0.7
Networking equipment	0.4	0.4	0.4	0.4	0.4	0.4
Hardware total	0.5	0.5	0.5	0.6	0.6	0.6
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.3	0.3	0.3	0.3	0.4	0.4

Source: IDC, June 2002

Table 325

IT Spending in the Rest of Eastern Europe, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	38.6	43.5	48.0	52.4	58.1	63.2
Implementation	167.3	195.1	227.1	261.3	303.1	340.6
Support services	79.9	89.3	102.2	117.1	137.6	155.5
Operations management	14.0	15.5	17.7	20.5	23.4	26.1
Training and education	13.8	15.1	16.1	17.2	17.9	19.3
Services total	313.7	358.5	411.1	468.4	540.2	604.7
Packaged software						
System infrastructure software	57.6	63.6	73.2	83.3	96.2	104.1
Appl. development and deployment	47.1	52.5	59.2	66.1	74.9	82.1
Applications	144.4	169.3	198.7	229.2	260.7	292.6
Packaged software total	249.1	285.3	331.1	378.6	431.7	478.8
Hardware						
Systems						
High-end servers	2.2	2.2	3.4	4.3	5.7	6.6
Midrange servers	20.9	22.5	22.7	24.4	27.1	31.4
Low-end servers	106.4	113.5	118.7	135.3	155.9	171.6
Standard Intel servers	81.4	86.5	94.8	105.9	122.4	135.7
Other low-end servers	25.0	27.0	23.9	29.4	33.5	35.9
Personal computers	673.0	741.8	841.4	920.7	1,067.4	1,205.3
Traditional workstations	7.6	6.7	5.9	5.6	5.3	5.0
Systems total	810.1	886.7	992.2	1,090.3	1,261.4	1,419.9
Storage						
Disk systems	5.3	6.4	12.7	18.3	20.0	32.2
Tape	9.1	9.1	9.0	6.5	7.0	6.2
Fibre Channel	0.4	0.8	1.1	1.8	2.4	3.5
Storage total	14.7	16.4	22.8	26.6	29.4	41.9
Peripherals						
Printers	156.1	159.3	171.8	182.3	198.8	204.0
Smart handheld devices	17.3	28.8	42.5	61.1	83.6	117.3
Other add-ons	45.2	48.1	53.1	60.1	69.3	78.2
Peripherals total	218.6	236.2	267.4	303.5	351.6	399.5
Networking equipment	186.7	206.5	223.0	243.9	263.2	293.0
Hardware total	1,230.1	1,345.7	1,505.4	1,664.2	1,905.7	2,154.3
Packaged software total	249.1	285.3	331.1	378.6	431.7	478.8
Services total	313.7	358.5	411.1	468.4	540.2	604.7
Total IT	1,792.9	1,989.6	2,247.6	2,511.3	2,877.6	3,237.8

Source: IDC, June 2002

Table 326

Growth in IT Spending in the Rest of Eastern Europe, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	12.7	10.3	9.1	11.1	8.7	9.8
Implementation	16.6	16.4	15.1	16.0	12.4	14.9
Support services	11.8	14.5	14.6	17.5	13.0	14.9
Operations management	10.9	13.6	15.8	14.5	11.4	13.8
Training and education	9.0	7.1	6.3	4.3	8.0	6.4
Services total	14.3	14.7	14.0	15.3	12.0	14.0
Packaged software						
System infrastructure software	10.4	15.1	13.7	15.4	8.3	13.1
Appl. development and deployment	11.3	12.8	11.7	13.3	9.6	11.8
Applications	17.2	17.4	15.3	13.7	12.2	14.7
Packaged software total	14.5	16.0	14.3	14.0	10.9	13.8
Hardware						
Systems						
High-end servers	1.0	52.3	28.2	32.0	15.8	31.4
Midrange servers	7.6	0.8	7.6	11.2	15.7	8.7
Low-end servers	6.7	4.6	14.0	15.2	10.1	10.9
Standard Intel servers	6.3	9.6	11.7	15.5	10.9	11.9
Other low-end servers	8.0	-11.4	23.0	13.9	7.1	7.4
Personal computers	10.2	13.4	9.4	15.9	12.9	12.9
Traditional workstations	-11.6	-11.4	-5.8	-5.5	-5.2	-7.0
Systems total	9.5	11.9	9.9	15.7	12.6	12.5
Storage						
Disk systems	21.6	97.4	44.1	9.3	61.0	49.6
Tape	0.5	-1.2	-27.7	8.4	-11.5	-9.0
Fibre Channel	106.9	34.0	61.8	34.2	47.3	43.9
Storage total	10.9	39.3	16.6	10.7	42.5	26.5
Peripherals						
Printers	2.1	7.8	6.1	9.1	2.6	6.4
Smart handheld devices	66.0	47.7	43.6	36.9	40.3	42.1
Other add-ons	6.4	10.4	13.3	15.2	12.9	12.9
Peripherals total	8.0	13.2	13.5	15.9	13.6	14.0
Networking equipment	10.6	8.0	9.3	7.9	11.3	9.1
Hardware total	9.4	11.9	10.6	14.5	13.0	12.5
Packaged software total	14.5	16.0	14.3	14.0	10.9	13.8
Services total	14.3	14.7	14.0	15.3	12.0	14.0
Total IT	11.0	13.0	11.7	14.6	12.5	12.9

Source: IDC, June 2002

Table 327
Proportions of IT Spending Categories in the Rest of Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.2	2.2	2.1	2.1	2.0	2.0
Implementation	9.3	9.8	10.1	10.4	10.5	10.5
Support services	4.5	4.5	4.5	4.7	4.8	4.8
Operations management	0.8	0.8	0.8	0.8	0.8	0.8
Training and education	0.8	0.8	0.7	0.7	0.6	0.6
Services total	17.5	18.0	18.3	18.7	18.8	18.7
Packaged software						
System infrastructure software	3.2	3.2	3.3	3.3	3.3	3.2
Appl. development and deployment	2.6	2.6	2.6	2.6	2.6	2.5
Applications	8.1	8.5	8.8	9.1	9.1	9.0
Packaged software total	13.9	14.3	14.7	15.1	15.0	14.8
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.2	0.2	0.2
Midrange servers	1.2	1.1	1.0	1.0	0.9	1.0
Low-end servers	5.9	5.7	5.3	5.4	5.4	5.3
Standard Intel servers	4.5	4.3	4.2	4.2	4.3	4.2
Other low-end servers	1.4	1.4	1.1	1.2	1.2	1.1
Personal computers	37.5	37.3	37.4	36.7	37.1	37.2
Traditional workstations	0.4	0.3	0.3	0.2	0.2	0.2
Systems total	45.2	44.6	44.1	43.4	43.8	43.9
Storage						
Disk systems	0.3	0.3	0.6	0.7	0.7	1.0
Tape	0.5	0.5	0.4	0.3	0.2	0.2
Fibre Channel	0.0	0.0	0.0	0.1	0.1	0.1
Storage total	0.8	0.8	1.0	1.1	1.0	1.3
Peripherals						
Printers	8.7	8.0	7.6	7.3	6.9	6.3
Smart handheld devices	1.0	1.4	1.9	2.4	2.9	3.6
Other add-ons	2.5	2.4	2.4	2.4	2.4	2.4
Peripherals total	12.2	11.9	11.9	12.1	12.2	12.3
Networking equipment	10.4	10.4	9.9	9.7	9.1	9.0
Hardware total	68.6	67.6	67.0	66.3	66.2	66.5
Packaged software total	13.9	14.3	14.7	15.1	15.0	14.8
Services total	17.5	18.0	18.3	18.7	18.8	18.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 328

Rest of Eastern Europe Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.6	5.4	5.0	4.6	4.3	4.0
Implementation	9.6	9.7	9.7	9.6	9.6	9.3
Support services	9.1	9.3	9.4	9.4	9.6	9.4
Operations management	4.6	4.2	3.9	3.8	3.7	3.6
Training and education	7.2	7.2	6.9	6.6	6.2	6.0
Services total	8.5	8.2	8.1	7.9	7.9	7.6
Packaged software						
System infrastructure software	10.0	9.8	10.0	10.2	10.5	10.2
Appl. development and deployment	10.7	10.5	10.5	10.4	10.4	10.2
Applications	12.1	12.3	12.6	12.8	12.8	12.8
Packaged software total	11.3	11.3	11.5	11.6	11.8	11.6
Hardware						
Systems						
High-end servers	4.2	5.2	6.6	7.7	10.8	12.0
Midrange servers	6.7	6.7	6.3	6.5	6.9	7.6
Low-end servers	14.1	14.1	13.4	13.6	14.2	14.3
Standard Intel servers	15.8	16.1	15.7	15.1	15.2	15.1
Other low-end servers	10.4	10.0	8.4	10.0	11.3	11.8
Personal computers	16.1	16.7	17.2	17.2	18.0	18.8
Traditional workstations	23.2	24.1	25.1	26.9	28.9	29.1
Systems total	15.2	15.7	16.0	16.1	16.9	17.5
Storage						
Disk systems	2.5	2.7	4.8	6.0	5.8	8.0
Tape	11.1	10.6	10.2	7.5	7.7	6.6
Fibre Channel	3.8	4.2	3.9	4.6	4.7	5.3
Storage total	4.9	4.7	6.0	6.2	6.0	7.5
Peripherals						
Printers	15.9	15.7	16.4	16.7	17.5	17.9
Smart handheld devices	16.1	16.7	17.2	17.2	18.0	18.8
Other add-ons	16.6	16.0	16.2	16.8	17.6	18.0
Peripherals total	16.0	15.9	16.4	16.8	17.7	18.1
Networking equipment	16.7	16.8	16.8	16.9	16.8	17.1
Hardware total	15.1	15.4	15.8	15.9	16.5	17.1
Packaged software total	11.3	11.3	11.5	11.6	11.8	11.6
Services total	8.5	8.2	8.1	7.9	7.9	7.6
Total IT	12.8	12.7	12.8	12.8	13.0	13.1

Source: IDC, June 2002

Table 329
Rest of Eastern Europe Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.0	0.0	0.0
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.2	0.2	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.1	0.1
Midrange servers	0.2	0.2	0.2	0.2	0.2	0.2
Low-end servers	0.4	0.4	0.4	0.4	0.4	0.4
Standard Intel servers	0.4	0.4	0.4	0.4	0.4	0.5
Other low-end servers	0.3	0.3	0.2	0.3	0.3	0.4
Personal computers	0.4	0.5	0.5	0.5	0.6	0.7
Traditional workstations	0.2	0.2	0.2	0.2	0.2	0.2
Systems total	0.4	0.4	0.5	0.5	0.5	0.6
Storage						
Disk systems	0.0	0.0	0.0	0.1	0.1	0.1
Tape	0.2	0.2	0.2	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.1	0.1	0.1	0.1	0.1
Peripherals						
Printers	0.6	0.6	0.7	0.7	0.7	0.7
Smart handheld devices	0.3	0.4	0.5	0.6	0.7	0.9
Other add-ons	0.4	0.4	0.4	0.4	0.5	0.5
Peripherals total	0.5	0.5	0.6	0.6	0.7	0.7
Networking equipment	0.3	0.4	0.4	0.4	0.3	0.3
Hardware total	0.3	0.4	0.4	0.4	0.5	0.5
Packaged software total	0.1	0.2	0.2	0.2	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 330
IT Spending in Romania, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.1	6.0	7.5	8.8	10.0	11.3
Implementation	30.5	34.5	41.3	50.1	58.3	69.0
Support services	11.5	12.8	14.3	16.0	17.8	19.8
Operations management	2.4	3.0	3.8	4.4	5.0	5.6
Training and education	2.6	3.3	4.0	4.6	5.1	5.6
Services total	52.1	59.6	70.9	83.9	96.2	111.3
Packaged software						
System infrastructure software	12.1	13.8	15.6	17.6	19.8	22.1
Appl. development and deployment	5.4	6.6	7.7	9.0	10.4	11.9
Applications	29.2	34.3	39.8	43.2	48.0	54.0
Packaged software total	46.7	54.7	63.1	69.8	78.2	88.0
Hardware						
Systems						
High-end servers	1.4	1.4	1.3	–	1.2	2.5
Midrange servers	5.6	7.7	9.4	8.9	8.8	10.5
Low-end servers	23.3	25.8	29.2	28.4	31.3	34.7
Standard Intel servers	19.0	20.4	22.0	20.8	22.9	25.9
Other low-end servers	4.3	5.4	7.2	7.6	8.4	8.8
Personal computers	129.0	136.3	145.1	149.1	163.8	184.0
Traditional workstations	0.6	0.4	0.4	0.3	0.3	0.3
Systems total	159.8	171.6	185.4	186.7	205.4	232.0
Storage						
Disk systems	4.2	5.4	5.9	7.5	7.6	8.6
Tape	2.6	2.9	3.1	2.5	3.0	3.0
Fibre Channel	0.4	0.8	1.1	1.7	2.4	3.4
Storage total	7.1	9.1	10.1	11.7	13.0	15.1
Peripherals						
Printers	34.1	36.4	35.0	33.5	32.9	33.7
Smart handheld devices	3.3	5.3	7.3	9.9	12.8	17.9
Other add-ons	7.9	8.8	9.8	10.6	11.8	13.4
Peripherals total	45.3	50.5	52.1	54.0	57.4	65.0
Networking equipment	19.0	21.7	24.9	28.3	32.0	36.2
Hardware total	231.3	252.8	272.5	280.6	307.8	348.2
Packaged software total	46.7	54.7	63.1	69.8	78.2	88.0
Services total	52.1	59.6	70.9	83.9	96.2	111.3
Total IT	330.1	367.1	406.5	434.3	482.2	547.5

Source: IDC, June 2002

Table 331
Growth in IT Spending in Romania, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	17.6	25.0	17.3	13.6	13.0	17.1
Implementation	13.1	19.7	21.3	16.4	18.4	18.9
Support services	11.3	11.7	11.9	11.2	11.2	11.5
Operations management	25.0	26.7	16.3	13.1	12.0	16.9
Training and education	26.9	21.2	15.0	10.9	9.8	14.1
Services total	14.4	19.0	18.4	14.6	15.7	16.9
Packaged software						
System infrastructure software	14.0	13.0	12.8	12.5	11.6	12.5
Appl. development and deployment	22.2	16.7	16.9	15.6	14.4	15.9
Applications	17.5	16.0	8.5	11.1	12.5	12.0
Packaged software total	17.1	15.4	10.6	12.0	12.5	12.6
Hardware						
Systems						
High-end servers	-3.6	-3.7	-100.0	–	108.3	16.7
Midrange servers	37.4	23.2	-5.8	-0.9	19.1	8.2
Low-end servers	10.7	13.2	-2.7	10.2	10.9	7.7
Standard Intel servers	7.1	8.1	-5.8	10.1	13.4	6.2
Other low-end servers	26.8	32.4	6.5	10.5	3.9	12.8
Personal computers	5.7	6.5	2.7	9.9	12.4	7.8
Traditional workstations	-18.2	-15.6	-13.2	-12.1	–	-10.4
Systems total	7.4	8.1	0.7	10.0	13.0	7.8
Storage						
Disk systems	30.8	8.4	26.8	1.7	13.6	12.3
Tape	12.3	7.2	-18.0	20.0	-0.8	1.2
Fibre Channel	91.9	40.1	49.6	41.2	45.3	44.0
Storage total	27.7	10.8	15.7	11.3	16.0	13.4
Peripherals						
Printers	6.7	-3.9	-4.2	-2.0	2.5	-1.9
Smart handheld devices	59.2	38.6	34.9	29.7	39.6	35.6
Other add-ons	11.3	11.3	8.1	11.2	14.0	11.1
Peripherals total	11.4	3.2	3.6	6.4	13.1	6.5
Networking equipment	14.3	14.7	13.7	13.1	13.1	13.6
Hardware total	9.3	7.8	3.0	9.7	13.1	8.3
Packaged software total	17.1	15.4	10.6	12.0	12.5	12.6
Services total	14.4	19.0	18.4	14.6	15.7	16.9
Total IT	11.2	10.7	6.9	11.0	13.6	10.5

Source: IDC, June 2002

Table 332
Proportions of IT Spending Categories in Romania, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.5	1.6	1.8	2.0	2.1	2.1
Implementation	9.2	9.4	10.2	11.5	12.1	12.6
Support services	3.5	3.5	3.5	3.7	3.7	3.6
Operations management	0.7	0.8	0.9	1.0	1.0	1.0
Training and education	0.8	0.9	1.0	1.1	1.1	1.0
Services total	15.8	16.2	17.4	19.3	20.0	20.3
Packaged software						
System infrastructure software	3.7	3.8	3.8	4.1	4.1	4.0
Appl. development and deployment	1.6	1.8	1.9	2.1	2.2	2.2
Applications	8.8	9.3	9.8	9.9	10.0	9.9
Packaged software total	14.1	14.9	15.5	16.1	16.2	16.1
Hardware						
Systems						
High-end servers	0.4	0.4	0.3	–	0.2	0.5
Midrange servers	1.7	2.1	2.3	2.0	1.8	1.9
Low-end servers	7.1	7.0	7.2	6.5	6.5	6.3
Standard Intel servers	5.8	5.6	5.4	4.8	4.7	4.7
Other low-end servers	1.3	1.5	1.8	1.8	1.8	1.6
Personal computers	39.1	37.1	35.7	34.3	34.0	33.6
Traditional workstations	0.2	0.1	0.1	0.1	0.1	0.1
Systems total	48.4	46.7	45.6	43.0	42.6	42.4
Storage						
Disk systems	1.3	1.5	1.4	1.7	1.6	1.6
Tape	0.8	0.8	0.8	0.6	0.6	0.5
Fibre Channel	0.1	0.2	0.3	0.4	0.5	0.6
Storage total	2.2	2.5	2.5	2.7	2.7	2.7
Peripherals						
Printers	10.3	9.9	8.6	7.7	6.8	6.2
Smart handheld devices	1.0	1.4	1.8	2.3	2.7	3.3
Other add-ons	2.4	2.4	2.4	2.4	2.4	2.4
Peripherals total	13.7	13.8	12.8	12.4	11.9	11.9
Networking equipment	5.8	5.9	6.1	6.5	6.6	6.6
Hardware total	70.1	68.9	67.0	64.6	63.8	63.6
Packaged software total	14.1	14.9	15.5	16.1	16.2	16.1
Services total	15.8	16.2	17.4	19.3	20.0	20.3
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 333

Romania Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.9	0.7	0.8	0.8	0.7	0.7
Implementation	1.7	1.7	1.8	1.8	1.8	1.9
Support services	1.3	1.3	1.3	1.3	1.2	1.2
Operations management	0.8	0.8	0.8	0.8	0.8	0.8
Training and education	1.4	1.6	1.7	1.8	1.8	1.7
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Packaged software						
System infrastructure software	2.1	2.1	2.1	2.2	2.2	2.2
Appl. development and deployment	1.2	1.3	1.4	1.4	1.4	1.5
Applications	2.4	2.5	2.5	2.4	2.4	2.4
Packaged software total	2.1	2.2	2.2	2.1	2.1	2.1
Hardware						
Systems						
High-end servers	2.7	3.2	2.5	–	2.3	4.5
Midrange servers	1.8	2.3	2.6	2.4	2.2	2.6
Low-end servers	3.1	3.2	3.3	2.9	2.8	2.9
Standard Intel servers	3.7	3.8	3.6	3.0	2.8	2.9
Other low-end servers	1.8	2.0	2.5	2.6	2.9	2.9
Personal computers	3.1	3.1	3.0	2.8	2.8	2.9
Traditional workstations	1.7	1.6	1.6	1.6	1.6	1.7
Systems total	3.0	3.0	3.0	2.8	2.7	2.9
Storage						
Disk systems	2.0	2.3	2.2	2.4	2.2	2.2
Tape	3.1	3.3	3.5	2.9	3.3	3.2
Fibre Channel	4.0	4.1	4.0	4.4	4.7	5.2
Storage total	2.4	2.6	2.7	2.7	2.7	2.7
Peripherals						
Printers	3.5	3.6	3.3	3.1	2.9	2.9
Smart handheld devices	3.1	3.1	3.0	2.8	2.8	2.9
Other add-ons	2.9	2.9	3.0	3.0	3.0	3.1
Peripherals total	3.3	3.4	3.2	3.0	2.9	2.9
Networking equipment	1.7	1.8	1.9	2.0	2.0	2.1
Hardware total	2.8	2.9	2.9	2.7	2.7	2.8
Packaged software total	2.1	2.2	2.2	2.1	2.1	2.1
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Total IT	2.4	2.4	2.3	2.2	2.2	2.2

Source: IDC, June 2002

Table 334
Romania Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.9	0.7	0.8	0.8	0.7	0.7
Implementation	1.7	1.7	1.8	1.8	1.8	1.9
Support services	1.3	1.3	1.3	1.3	1.2	1.2
Operations management	0.8	0.8	0.8	0.8	0.8	0.8
Training and education	1.4	1.6	1.7	1.8	1.8	1.7
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Packaged software						
System infrastructure software	2.1	2.1	2.1	2.2	2.2	2.2
Appl. development and deployment	1.2	1.3	1.4	1.4	1.4	1.5
Applications	2.4	2.5	2.5	2.4	2.4	2.4
Packaged software total	2.1	2.2	2.2	2.1	2.1	2.1
Hardware						
Systems						
High-end servers	2.7	3.2	2.5	–	2.3	4.5
Midrange servers	1.8	2.3	2.6	2.4	2.2	2.6
Low-end servers	3.1	3.2	3.3	2.9	2.8	2.9
Standard Intel servers	3.7	3.8	3.6	3.0	2.8	2.9
Other low-end servers	1.8	2.0	2.5	2.6	2.9	2.9
Personal computers	3.1	3.1	3.0	2.8	2.8	2.9
Traditional workstations	1.7	1.6	1.6	1.6	1.6	1.7
Systems total	3.0	3.0	3.0	2.8	2.7	2.9
Storage						
Disk systems	2.0	2.3	2.2	2.4	2.2	2.2
Tape	3.1	3.3	3.5	2.9	3.3	3.2
Fibre Channel	4.0	4.1	4.0	4.4	4.7	5.2
Storage total	2.4	2.6	2.7	2.7	2.7	2.7
Peripherals						
Printers	3.5	3.6	3.3	3.1	2.9	2.9
Smart handheld devices	3.1	3.1	3.0	2.8	2.8	2.9
Other add-ons	2.9	2.9	3.0	3.0	3.0	3.1
Peripherals total	3.3	3.4	3.2	3.0	2.9	2.9
Networking equipment	1.7	1.8	1.9	2.0	2.0	2.1
Hardware total	2.8	2.9	2.9	2.7	2.7	2.8
Packaged software total	2.1	2.2	2.2	2.1	2.1	2.1
Services total	1.4	1.4	1.4	1.4	1.4	1.4
Total IT	2.4	2.4	2.3	2.2	2.2	2.2

Source: IDC, June 2002

Table 335
IT Spending in Russia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	169.0	336.5	431.6	539.6	672.2	837.7
Implementation	468.1	575.7	704.0	853.3	1,039.5	1,291.3
Support services	279.8	305.8	369.4	446.1	534.4	644.3
Operations management	30.5	39.8	67.4	90.2	120.8	153.7
Training and education	54.3	56.4	62.4	68.6	74.8	83.7
Services total	1,001.7	1,314.2	1,634.9	1,997.8	2,441.7	3,010.7
Packaged software						
System infrastructure software	72.0	82.0	91.0	100.0	109.9	121.3
Appl. development and deployment	91.0	102.0	115.0	128.4	144.2	161.3
Applications	268.0	308.0	348.0	390.0	439.1	492.2
Packaged software total	431.0	492.0	554.0	618.4	693.2	774.8
Hardware						
Systems						
High-end servers	27.5	21.5	22.4	25.5	27.7	31.6
Midrange servers	47.4	62.4	62.7	67.4	72.6	78.0
Low-end servers	213.2	240.1	265.4	298.4	337.8	386.6
Standard Intel servers	161.7	176.4	202.4	241.2	285.7	331.8
Other low-end servers	51.5	63.7	63.0	57.2	52.1	54.8
Personal computers	1,453.1	1,530.0	1,641.2	1,796.8	2,011.1	2,190.2
Traditional workstations	7.3	6.3	5.1	4.1	3.2	3.1
Systems total	1,748.5	1,860.3	1,996.7	2,192.1	2,452.5	2,689.5
Storage						
Disk systems	47.5	56.7	69.1	80.3	92.4	107.9
Tape	23.7	26.2	26.0	27.1	29.2	31.0
Fibre Channel	0.9	3.4	5.7	8.0	11.2	14.8
Storage total	72.1	86.2	100.7	115.4	132.8	153.7
Peripherals						
Printers	434.4	454.6	473.1	501.6	522.8	519.5
Smart handheld devices	37.4	59.4	82.9	119.2	157.5	213.2
Other add-ons	66.3	77.3	83.3	89.0	95.3	108.2
Peripherals total	538.1	591.4	639.3	709.9	775.6	840.9
Networking equipment	342.0	379.6	417.6	458.2	499.6	545.1
Hardware total	2,700.7	2,917.5	3,154.3	3,475.5	3,860.5	4,229.3
Packaged software total	431.0	492.0	554.0	618.4	693.2	774.8
Services total	1,001.7	1,314.2	1,634.9	1,997.8	2,441.7	3,010.7
Total IT	4,133.4	4,723.7	5,343.2	6,091.7	6,995.4	8,014.7

Source: IDC, June 2002

Table 336
Growth in IT Spending in Russia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	99.1	28.3	25.0	24.6	24.6	25.6
Implementation	23.0	22.3	21.2	21.8	24.2	22.4
Support services	9.3	20.8	20.8	19.8	20.6	20.5
Operations management	30.4	69.2	33.8	34.0	27.2	40.2
Training and education	3.9	10.7	9.9	9.1	11.8	10.4
Services total	31.2	24.4	22.2	22.2	23.3	23.0
Packaged software						
System infrastructure software	13.9	11.0	9.9	9.9	10.4	10.3
Appl. development and deployment	12.1	12.7	11.7	12.3	11.9	12.1
Applications	14.9	13.0	12.1	12.6	12.1	12.4
Packaged software total	14.2	12.6	11.6	12.1	11.8	12.0
Hardware						
Systems						
High-end servers	-21.7	3.9	13.9	8.9	14.0	10.1
Midrange servers	31.7	0.4	7.5	7.8	7.4	5.7
Low-end servers	12.6	10.5	12.4	13.2	14.4	12.6
Standard Intel servers	9.1	14.7	19.2	18.4	16.1	17.1
Other low-end servers	23.7	-1.1	-9.3	-8.8	5.2	-3.7
Personal computers	5.3	7.3	9.5	11.9	8.9	9.4
Traditional workstations	-14.2	-18.2	-20.3	-20.8	-4.0	-16.1
Systems total	6.4	7.3	9.8	11.9	9.7	9.7
Storage						
Disk systems	19.4	21.9	16.2	15.1	16.8	17.5
Tape	10.2	-0.8	4.3	8.0	6.2	4.4
Fibre Channel	275.2	68.5	40.5	40.1	32.1	44.7
Storage total	19.6	16.8	14.5	15.2	15.7	15.5
Peripherals						
Printers	4.7	4.1	6.0	4.2	-0.6	3.4
Smart handheld devices	58.6	39.7	43.7	32.1	35.4	37.7
Other add-ons	16.7	7.7	6.9	7.0	13.6	8.8
Peripherals total	9.9	8.1	11.0	9.3	8.4	9.2
Networking equipment	11.0	10.0	9.7	9.0	9.1	9.5
Hardware total	8.0	8.1	10.2	11.1	9.6	9.7
Packaged software total	14.2	12.6	11.6	12.1	11.8	12.0
Services total	31.2	24.4	22.2	22.2	23.3	23.0
Total IT	14.3	13.1	14.0	14.8	14.6	14.1

Source: IDC, June 2002

Table 337
Proportions of IT Spending Categories in Russia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.1	7.1	8.1	8.9	9.6	10.5
Implementation	11.3	12.2	13.2	14.0	14.9	16.1
Support services	6.8	6.5	6.9	7.3	7.6	8.0
Operations management	0.7	0.8	1.3	1.5	1.7	1.9
Training and education	1.3	1.2	1.2	1.1	1.1	1.0
Services total	24.2	27.8	30.6	32.8	34.9	37.6
Packaged software						
System infrastructure software	1.7	1.7	1.7	1.6	1.6	1.5
Appl. development and deployment	2.2	2.2	2.2	2.1	2.1	2.0
Applications	6.5	6.5	6.5	6.4	6.3	6.1
Packaged software total	10.4	10.4	10.4	10.2	9.9	9.7
Hardware						
Systems						
High-end servers	0.7	0.5	0.4	0.4	0.4	0.4
Midrange servers	1.1	1.3	1.2	1.1	1.0	1.0
Low-end servers	5.2	5.1	5.0	4.9	4.8	4.8
Standard Intel servers	3.9	3.7	3.8	4.0	4.1	4.1
Other low-end servers	1.2	1.3	1.2	0.9	0.7	0.7
Personal computers	35.2	32.4	30.7	29.5	28.7	27.3
Traditional workstations	0.2	0.1	0.1	0.1	0.0	0.0
Systems total	42.3	39.4	37.4	36.0	35.1	33.6
Storage						
Disk systems	1.1	1.2	1.3	1.3	1.3	1.3
Tape	0.6	0.6	0.5	0.4	0.4	0.4
Fibre Channel	0.0	0.1	0.1	0.1	0.2	0.2
Storage total	1.7	1.8	1.9	1.9	1.9	1.9
Peripherals						
Printers	10.5	9.6	8.9	8.2	7.5	6.5
Smart handheld devices	0.9	1.3	1.6	2.0	2.3	2.7
Other add-ons	1.6	1.6	1.6	1.5	1.4	1.4
Peripherals total	13.0	12.5	12.0	11.7	11.1	10.5
Networking equipment	8.3	8.0	7.8	7.5	7.1	6.8
Hardware total	65.3	61.8	59.0	57.1	55.2	52.8
Packaged software total	10.4	10.4	10.4	10.2	9.9	9.7
Services total	24.2	27.8	30.6	32.8	34.9	37.6
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 338
Russia Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	28.7	41.6	44.7	47.1	49.7	52.4
Implementation	26.8	28.5	30.1	31.4	33.0	35.2
Support services	31.8	31.8	33.9	35.8	37.2	38.9
Operations management	10.1	10.9	15.0	16.8	19.1	21.1
Training and education	28.4	27.1	26.7	26.4	25.9	25.9
Services total	27.0	30.1	32.2	33.9	35.6	37.8
Packaged software						
System infrastructure software	12.5	12.7	12.5	12.2	12.0	11.8
Appl. development and deployment	20.6	20.4	20.3	20.1	20.0	20.0
Applications	22.4	22.3	22.0	21.7	21.6	21.5
Packaged software total	19.5	19.5	19.3	19.0	18.9	18.8
Hardware						
Systems						
High-end servers	53.2	50.7	43.5	45.4	52.6	57.2
Midrange servers	15.2	18.6	17.5	18.1	18.4	19.0
Low-end servers	28.2	29.8	29.8	30.0	30.7	32.2
Standard Intel servers	31.4	32.9	33.5	34.4	35.6	36.9
Other low-end servers	21.4	23.6	22.2	19.5	17.6	18.0
Personal computers	34.7	34.4	33.6	33.7	34.0	34.1
Traditional workstations	22.4	22.5	21.7	19.6	17.6	18.0
Systems total	32.7	32.9	32.2	32.3	32.8	33.2
Storage						
Disk systems	22.7	23.7	26.3	26.3	26.6	27.0
Tape	29.0	30.5	29.4	31.4	31.9	33.0
Fibre Channel	8.7	17.3	20.5	20.9	22.2	22.4
Storage total	23.9	25.0	26.6	26.8	27.2	27.4
Peripherals						
Printers	44.2	44.8	45.0	45.9	46.1	45.5
Smart handheld devices	34.7	34.4	33.6	33.7	34.0	34.1
Other add-ons	24.4	25.7	25.4	24.9	24.3	24.9
Peripherals total	39.5	39.7	39.3	39.3	39.0	38.2
Networking equipment	30.6	31.0	31.4	31.7	31.9	31.9
Hardware total	33.3	33.5	33.1	33.2	33.5	33.6
Packaged software total	19.5	19.5	19.3	19.0	18.9	18.8
Services total	27.0	30.1	32.2	33.9	35.6	37.8
Total IT	29.4	30.3	30.5	31.1	31.7	32.5

Source: IDC, June 2002

Table 339
Russia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.4	0.7	0.8	0.9	1.0	1.1
Implementation	0.5	0.6	0.6	0.7	0.7	0.8
Support services	0.3	0.3	0.3	0.4	0.4	0.4
Operations management	0.0	0.0	0.0	0.0	0.1	0.1
Training and education	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.3	0.3	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.3	0.3	0.4	0.4	0.3	0.3
Packaged software total	0.2	0.3	0.3	0.3	0.3	0.3
Hardware						
Systems						
High-end servers	0.3	0.2	0.2	0.3	0.3	0.3
Midrange servers	0.3	0.5	0.4	0.4	0.4	0.4
Low-end servers	0.7	0.8	0.8	0.9	0.9	1.0
Standard Intel servers	0.8	0.9	0.9	1.0	1.0	1.1
Other low-end servers	0.5	0.6	0.6	0.6	0.5	0.6
Personal computers	0.9	1.0	1.0	1.1	1.1	1.2
Traditional workstations	0.2	0.2	0.2	0.2	0.1	0.1
Systems total	0.8	0.9	0.9	0.9	1.0	1.1
Storage						
Disk systems	0.2	0.2	0.3	0.3	0.3	0.3
Tape	0.6	0.6	0.6	0.6	0.6	0.6
Fibre Channel	0.0	0.1	0.1	0.2	0.2	0.2
Storage total	0.2	0.3	0.3	0.3	0.3	0.3
Peripherals						
Printers	1.7	1.8	1.9	1.9	1.9	1.9
Smart handheld devices	0.6	0.8	1.0	1.2	1.4	1.6
Other add-ons	0.5	0.7	0.7	0.7	0.7	0.7
Peripherals total	1.2	1.4	1.4	1.4	1.5	1.5
Networking equipment	0.6	0.7	0.7	0.7	0.7	0.6
Hardware total	0.8	0.8	0.9	0.9	0.9	1.0
Packaged software total	0.2	0.3	0.3	0.3	0.3	0.3
Services total	0.2	0.3	0.3	0.4	0.4	0.4
Total IT	0.4	0.5	0.5	0.5	0.5	0.6

Source: IDC, June 2002

Table 340
IT Spending in Slovakia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	20.2	23.4	27.1	31.5	36.6	41.4
Implementation	80.8	92.6	107.7	123.2	142.7	161.5
Support services	32.8	37.5	43.3	49.9	57.7	65.0
Operations management	9.3	10.9	12.8	15.3	18.0	20.1
Training and education	14.7	16.9	19.3	22.3	25.7	29.2
Services total	157.8	181.3	210.3	242.1	280.6	317.3
Packaged software						
System infrastructure software	27.3	29.2	32.3	35.4	38.7	42.6
Appl. development and deployment	20.3	23.0	25.6	28.6	32.0	35.6
Applications	54.0	61.5	69.6	77.3	85.5	95.6
Packaged software total	101.6	113.7	127.5	141.3	156.2	173.8
Hardware						
Systems						
High-end servers	1.4	–	–	1.2	–	1.5
Midrange servers	23.5	19.2	25.4	22.7	30.8	30.6
Low-end servers	40.9	41.3	45.2	48.6	48.3	49.3
Standard Intel servers	28.0	27.2	30.6	33.4	33.5	34.2
Other low-end servers	12.9	14.1	14.6	15.2	14.8	15.1
Personal computers	109.6	117.8	123.1	129.8	142.3	157.8
Traditional workstations	1.3	1.0	0.8	0.6	0.6	0.5
Systems total	176.7	179.3	194.4	203.0	222.0	239.7
Storage						
Disk systems	7.8	11.2	10.7	11.4	13.6	15.3
Tape	3.5	3.2	3.6	3.5	4.1	4.4
Fibre Channel	0.7	1.0	1.2	2.2	3.1	3.7
Storage total	12.0	15.4	15.5	17.1	20.8	23.4
Peripherals						
Printers	21.6	21.8	22.5	23.2	23.7	24.2
Smart handheld devices	2.8	4.6	6.2	8.6	11.1	15.4
Other add-ons	12.9	14.4	15.8	17.5	19.4	21.3
Peripherals total	37.4	40.8	44.6	49.4	54.2	60.9
Networking equipment	35.9	40.1	43.8	47.8	52.1	56.7
Hardware total	261.9	275.5	298.4	317.2	349.1	380.8
Packaged software total	101.6	113.7	127.5	141.3	156.2	173.8
Services total	157.8	181.3	210.3	242.1	280.6	317.3
Total IT	521.3	570.5	636.2	700.6	785.9	871.9

Source: IDC, June 2002

Table 341
Growth in IT Spending in Slovakia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	15.8	16.0	16.0	16.3	13.1	15.4
Implementation	14.7	16.2	14.5	15.8	13.2	14.9
Support services	14.3	15.4	15.1	15.6	12.8	14.7
Operations management	16.8	17.9	18.9	17.7	12.2	16.7
Training and education	14.9	14.7	15.1	15.3	13.7	14.7
Services total	14.9	16.0	15.1	15.9	13.1	15.0
Packaged software						
System infrastructure software	7.0	10.6	9.6	9.4	10.0	9.9
Appl. development and deployment	13.3	11.3	11.7	11.9	11.2	11.5
Applications	13.9	13.2	11.1	10.6	11.8	11.7
Packaged software total	11.9	12.1	10.8	10.6	11.2	11.2
Hardware						
Systems						
High-end servers	-100.0	–	–	-100.0	–	–
Midrange servers	-18.1	32.0	-10.6	36.0	-0.7	12.3
Low-end servers	1.0	9.4	7.5	-0.6	2.1	4.5
Standard Intel servers	-2.8	12.2	9.2	0.3	2.2	5.9
Other low-end servers	9.5	4.1	3.9	-2.7	1.9	1.8
Personal computers	7.5	4.5	5.5	9.6	10.9	7.6
Traditional workstations	-25.2	-20.4	-16.7	-13.8	-7.1	-14.7
Systems total	1.5	8.4	4.4	9.4	8.0	7.5
Storage						
Disk systems	43.9	-3.8	6.4	18.8	12.4	8.1
Tape	-8.6	12.5	-2.8	17.1	7.3	8.3
Fibre Channel	42.9	20.0	83.3	40.9	19.4	38.7
Storage total	28.5	1.1	10.2	21.3	12.5	11.0
Peripherals						
Printers	1.0	3.1	3.0	2.1	2.4	2.7
Smart handheld devices	61.9	36.1	38.5	29.4	37.8	35.4
Other add-ons	11.0	10.4	10.7	10.5	10.1	10.4
Peripherals total	9.1	9.4	10.7	9.8	12.4	10.6
Networking equipment	11.7	9.4	9.0	9.0	8.8	9.1
Hardware total	5.2	8.3	6.3	10.0	9.1	8.4
Packaged software total	11.9	12.1	10.8	10.6	11.2	11.2
Services total	14.9	16.0	15.1	15.9	13.1	15.0
Total IT	9.4	11.5	10.1	12.2	10.9	11.2

Source: IDC, June 2002

Table 342

Proportions of IT Spending Categories in Slovakia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.9	4.1	4.3	4.5	4.7	4.7
Implementation	15.5	16.2	16.9	17.6	18.2	18.5
Support services	6.3	6.6	6.8	7.1	7.3	7.5
Operations management	1.8	1.9	2.0	2.2	2.3	2.3
Training and education	2.8	3.0	3.0	3.2	3.3	3.3
Services total	30.3	31.8	33.1	34.6	35.7	36.4
Packaged software						
System infrastructure software	5.2	5.1	5.1	5.1	4.9	4.9
Appl. development and deployment	3.9	4.0	4.0	4.1	4.1	4.1
Applications	10.4	10.8	10.9	11.0	10.9	11.0
Packaged software total	19.5	19.9	20.0	20.2	19.9	19.9
Hardware						
Systems						
High-end servers	0.3	–	–	0.2	–	0.2
Midrange servers	4.5	3.4	4.0	3.2	3.9	3.5
Low-end servers	7.8	7.2	7.1	6.9	6.1	5.7
Standard Intel servers	5.4	4.8	4.8	4.8	4.3	3.9
Other low-end servers	2.5	2.5	2.3	2.2	1.9	1.7
Personal computers	21.0	20.7	19.3	18.5	18.1	18.1
Traditional workstations	0.3	0.2	0.1	0.1	0.1	0.1
Systems total	33.9	31.4	30.6	29.0	28.2	27.5
Storage						
Disk systems	1.5	2.0	1.7	1.6	1.7	1.8
Tape	0.7	0.6	0.6	0.5	0.5	0.5
Fibre Channel	0.1	0.2	0.2	0.3	0.4	0.4
Storage total	2.3	2.7	2.4	2.4	2.6	2.7
Peripherals						
Printers	4.1	3.8	3.5	3.3	3.0	2.8
Smart handheld devices	0.5	0.8	1.0	1.2	1.4	1.8
Other add-ons	2.5	2.5	2.5	2.5	2.5	2.4
Peripherals total	7.2	7.1	7.0	7.0	6.9	7.0
Networking equipment	6.9	7.0	6.9	6.8	6.6	6.5
Hardware total	50.2	48.3	46.9	45.3	44.4	43.7
Packaged software total	19.5	19.9	20.0	20.2	19.9	19.9
Services total	30.3	31.8	33.1	34.6	35.7	36.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 343
Slovakia Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.4	2.9	2.8	2.7	2.7	2.6
Implementation	4.6	4.6	4.6	4.5	4.5	4.4
Support services	3.7	3.9	4.0	4.0	4.0	3.9
Operations management	3.1	3.0	2.9	2.8	2.8	2.8
Training and education	7.7	8.1	8.3	8.6	8.9	9.0
Services total	4.3	4.2	4.1	4.1	4.1	4.0
Packaged software						
System infrastructure software	4.7	4.5	4.4	4.3	4.2	4.2
Appl. development and deployment	4.6	4.6	4.5	4.5	4.4	4.4
Applications	4.5	4.5	4.4	4.3	4.2	4.2
Packaged software total	4.6	4.5	4.4	4.3	4.3	4.2
Hardware						
Systems						
High-end servers	2.8	–	–	2.2	–	2.8
Midrange servers	7.5	5.7	7.1	6.1	7.8	7.4
Low-end servers	5.4	5.1	5.1	4.9	4.4	4.1
Standard Intel servers	5.4	5.1	5.1	4.8	4.2	3.8
Other low-end servers	5.4	5.2	5.2	5.2	5.0	5.0
Personal computers	2.6	2.6	2.5	2.4	2.4	2.5
Traditional workstations	4.0	3.5	3.3	3.1	3.1	3.0
Systems total	3.3	3.2	3.1	3.0	3.0	3.0
Storage						
Disk systems	3.7	4.7	4.1	3.7	3.9	3.8
Tape	4.3	3.7	4.1	4.1	4.5	4.7
Fibre Channel	6.8	5.1	4.3	5.8	6.2	5.6
Storage total	4.0	4.5	4.1	4.0	4.2	4.2
Peripherals						
Printers	2.2	2.2	2.1	2.1	2.1	2.1
Smart handheld devices	2.6	2.6	2.5	2.4	2.4	2.5
Other add-ons	4.8	4.8	4.8	4.9	4.9	4.9
Peripherals total	2.7	2.7	2.7	2.7	2.7	2.8
Networking equipment	3.2	3.3	3.3	3.3	3.3	3.3
Hardware total	3.2	3.2	3.1	3.0	3.0	3.0
Packaged software total	4.6	4.5	4.4	4.3	4.3	4.2
Services total	4.3	4.2	4.1	4.1	4.1	4.0
Total IT	3.7	3.7	3.6	3.6	3.6	3.5

Source: IDC, June 2002

Table 344
Slovakia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.0	0.0
Appl. development and deployment	0.0	0.1	0.1	0.0	0.0	0.0
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	–	–	0.0	–	0.0
Midrange servers	0.2	0.1	0.2	0.1	0.2	0.2
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.1	0.1	0.1	0.2	0.1	0.2
Personal computers	0.1	0.1	0.1	0.1	0.1	0.1
Traditional workstations	0.0	0.0	0.0	0.0	0.0	0.0
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.1
Peripherals						
Printers	0.1	0.1	0.1	0.1	0.1	0.1
Smart handheld devices	0.0	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.1	0.1	0.1	0.1	0.1	0.1
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 345
IT Spending in Slovenia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	8.0	9.1	10.6	11.6	12.9	13.1
Implementation	46.0	51.8	56.6	61.3	67.4	73.3
Support services	22.2	24.6	26.1	28.3	30.2	32.3
Operations management	3.2	3.9	5.0	5.7	6.0	7.2
Training and education	2.0	2.1	2.0	2.0	2.1	2.1
Services total	81.4	91.5	100.3	108.9	118.6	128.0
Packaged software						
System infrastructure software	18.1	20.1	22.3	24.5	27.0	29.7
Appl. development and deployment	14.7	16.4	18.3	20.3	22.5	24.9
Applications	39.0	45.0	52.0	59.9	66.0	75.3
Packaged software total	71.8	81.6	92.6	104.7	115.5	129.9
Hardware						
Systems						
High-end servers	1.2	1.3	3.9	1.3	2.5	–
Midrange servers	10.9	11.4	12.2	13.1	14.0	13.6
Low-end servers	25.2	25.9	26.7	29.3	32.5	35.4
Standard Intel servers	16.6	17.3	18.2	21.2	24.2	27.3
Other low-end servers	8.6	8.6	8.5	8.1	8.3	8.1
Personal computers	93.9	100.5	107.1	116.0	125.0	135.1
Traditional workstations	0.7	0.6	0.5	0.4	0.4	0.3
Systems total	131.9	139.7	150.4	160.1	174.4	184.4
Storage						
Disk systems	5.0	6.6	6.6	8.8	10.1	12.4
Tape	3.2	3.2	3.5	3.4	3.7	3.8
Fibre Channel	0.6	1.0	1.2	1.6	2.0	2.3
Storage total	8.9	10.8	11.2	13.7	15.7	18.6
Peripherals						
Printers	23.1	23.5	23.8	23.5	23.6	23.7
Smart handheld devices	2.4	3.9	5.4	7.7	9.8	13.1
Other add-ons	8.0	8.8	9.6	10.2	11.0	11.8
Peripherals total	33.5	36.2	38.8	41.4	44.3	48.7
Networking equipment	31.7	34.2	36.1	38.2	40.2	42.7
Hardware total	206.0	220.9	236.5	253.5	274.7	294.4
Packaged software total	71.8	81.6	92.6	104.7	115.5	129.9
Services total	81.4	91.5	100.3	108.9	118.6	128.0
Total IT	359.2	393.9	429.4	467.1	508.8	552.2

Source: IDC, June 2002

Table 346
Growth in IT Spending in Slovenia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	13.8	16.5	9.4	11.2	1.6	9.5
Implementation	12.6	9.3	8.3	10.0	8.8	9.1
Support services	10.8	6.1	8.4	6.7	7.0	7.0
Operations management	21.9	28.2	14.0	5.3	20.0	16.6
Training and education	1.5	-0.5	-2.4	5.5	0.5	0.7
Services total	12.3	9.7	8.5	8.9	7.9	8.8
Packaged software						
System infrastructure software	11.3	10.5	10.1	10.1	10.1	10.2
Appl. development and deployment	11.5	11.5	10.9	10.9	10.5	10.9
Applications	15.4	15.6	15.2	10.1	14.1	13.7
Packaged software total	13.6	13.5	13.1	10.3	12.5	12.3
Hardware						
Systems						
High-end servers	9.2	197.7	-66.9	97.7	-100.0	-100.0
Midrange servers	4.1	7.2	7.3	7.3	-2.9	4.6
Low-end servers	2.8	3.1	9.7	10.9	8.9	8.1
Standard Intel servers	4.7	5.0	16.3	14.5	12.5	12.0
Other low-end servers	-0.9	-0.8	-4.4	1.5	-1.6	-1.3
Personal computers	7.1	6.6	8.3	7.8	8.1	7.7
Traditional workstations	-17.6	-14.8	-15.4	-9.1	-15.0	-13.6
Systems total	5.9	7.7	6.5	9.0	5.7	7.2
Storage						
Disk systems	31.2	-0.5	33.3	14.8	23.7	17.2
Tape	-0.3	7.3	-2.0	9.0	3.4	4.3
Fibre Channel	64.4	20.0	33.3	25.0	15.0	23.1
Storage total	22.0	3.7	22.4	14.6	17.8	14.4
Peripherals						
Printers	1.7	1.4	-1.2	0.2	0.5	0.2
Smart handheld devices	61.3	38.8	42.2	27.2	34.4	35.5
Other add-ons	10.0	9.1	6.6	7.3	7.7	7.7
Peripherals total	8.0	7.3	6.8	7.0	9.8	7.7
Networking equipment	8.1	5.4	5.8	5.2	6.2	5.7
Hardware total	7.2	7.1	7.2	8.4	7.2	7.4
Packaged software total	13.6	13.5	13.1	10.3	12.5	12.3
Services total	12.3	9.7	8.5	8.9	7.9	8.8
Total IT	9.7	9.0	8.8	8.9	8.5	8.8

Source: IDC, June 2002

Table 347
Proportions of IT Spending Categories in Slovenia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.2	2.3	2.5	2.5	2.5	2.4
Implementation	12.8	13.1	13.2	13.1	13.2	13.3
Support services	6.2	6.2	6.1	6.1	5.9	5.8
Operations management	0.9	1.0	1.2	1.2	1.2	1.3
Training and education	0.6	0.5	0.5	0.4	0.4	0.4
Services total	22.7	23.2	23.4	23.3	23.3	23.2
Packaged software						
System infrastructure software	5.0	5.1	5.2	5.2	5.3	5.4
Appl. development and deployment	4.1	4.2	4.3	4.3	4.4	4.5
Applications	10.9	11.4	12.1	12.8	13.0	13.6
Packaged software total	20.0	20.7	21.6	22.4	22.7	23.5
Hardware						
Systems						
High-end servers	0.3	0.3	0.9	0.3	0.5	–
Midrange servers	3.0	2.9	2.8	2.8	2.8	2.5
Low-end servers	7.0	6.6	6.2	6.3	6.4	6.4
Standard Intel servers	4.6	4.4	4.2	4.5	4.8	4.9
Other low-end servers	2.4	2.2	2.0	1.7	1.6	1.5
Personal computers	26.1	25.5	24.9	24.8	24.6	24.5
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	36.7	35.5	35.0	34.3	34.3	33.4
Storage						
Disk systems	1.4	1.7	1.5	1.9	2.0	2.3
Tape	0.9	0.8	0.8	0.7	0.7	0.7
Fibre Channel	0.2	0.3	0.3	0.3	0.4	0.4
Storage total	2.5	2.7	2.6	2.9	3.1	3.4
Peripherals						
Printers	6.4	6.0	5.5	5.0	4.6	4.3
Smart handheld devices	0.7	1.0	1.3	1.6	1.9	2.4
Other add-ons	2.2	2.2	2.2	2.2	2.2	2.1
Peripherals total	9.3	9.2	9.0	8.9	8.7	8.8
Networking equipment	8.8	8.7	8.4	8.2	7.9	7.7
Hardware total	57.3	56.1	55.1	54.3	54.0	53.3
Packaged software total	20.0	20.7	21.6	22.4	22.7	23.5
Services total	22.7	23.2	23.4	23.3	23.3	23.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 348

Slovenia Proportions of the IT Spending in Eastern Europe, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.4	1.1	1.1	1.0	1.0	0.8
Implementation	2.6	2.6	2.4	2.3	2.1	2.0
Support services	2.5	2.6	2.4	2.3	2.1	2.0
Operations management	1.1	1.1	1.1	1.1	0.9	1.0
Training and education	1.1	1.0	0.9	0.8	0.7	0.7
Services total	2.2	2.1	2.0	1.8	1.7	1.6
Packaged software						
System infrastructure software	3.1	3.1	3.1	3.0	2.9	2.9
Appl. development and deployment	3.3	3.3	3.2	3.2	3.1	3.1
Applications	3.3	3.3	3.3	3.3	3.2	3.3
Packaged software total	3.2	3.2	3.2	3.2	3.1	3.2
Hardware						
Systems						
High-end servers	2.3	3.1	7.6	2.3	4.8	–
Midrange servers	3.5	3.4	3.4	3.5	3.5	3.3
Low-end servers	3.3	3.2	3.0	2.9	3.0	2.9
Standard Intel servers	3.2	3.2	3.0	3.0	3.0	3.0
Other low-end servers	3.6	3.2	3.0	2.8	2.8	2.7
Personal computers	2.2	2.3	2.2	2.2	2.1	2.1
Traditional workstations	2.3	2.2	2.2	2.1	2.2	2.0
Systems total	2.5	2.5	2.4	2.4	2.3	2.3
Storage						
Disk systems	2.4	2.8	2.5	2.9	2.9	3.1
Tape	4.0	3.8	3.9	3.9	4.0	4.1
Fibre Channel	5.9	5.1	4.3	4.2	4.0	3.5
Storage total	2.9	3.1	3.0	3.2	3.2	3.3
Peripherals						
Printers	2.3	2.3	2.3	2.2	2.1	2.1
Smart handheld devices	2.2	2.3	2.2	2.2	2.1	2.1
Other add-ons	2.9	2.9	2.9	2.9	2.8	2.7
Peripherals total	2.5	2.4	2.4	2.3	2.2	2.2
Networking equipment	2.8	2.8	2.7	2.6	2.6	2.5
Hardware total	2.5	2.5	2.5	2.4	2.4	2.3
Packaged software total	3.2	3.2	3.2	3.2	3.1	3.2
Services total	2.2	2.1	2.0	1.8	1.7	1.6
Total IT	2.6	2.5	2.5	2.4	2.3	2.2

Source: IDC, June 2002

Table 349
Slovenia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0	0.0	0.0
Support services	0.0	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.0	0.0	0.0	0.0	0.0	0.0
Appl. development and deployment	0.0	0.0	0.0	0.0	0.0	0.0
Applications	0.0	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	–
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Personal computers	0.1	0.1	0.1	0.1	0.1	0.1
Traditional workstations	0.0	0.0	0.0	0.0	0.0	0.0
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.1	0.1	0.1	0.1	0.1
Smart handheld devices	0.0	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.1	0.1	0.1	0.1	0.1	0.1
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.0	0.0	0.0	0.0	0.0	0.0

Source: IDC, June 2002

Latin America

The economic crisis in Argentina has had a major impact on IT spending, with its impact extending beyond the borders of the country itself. With the overall mood of economic uncertainty translating into anxiety, many companies appear to be delaying big-ticket purchases until the outlook becomes more certain. Overall, IT spending in the region this year is expected to decline by 4%, predominantly due to a 61.5% decline in Argentina.

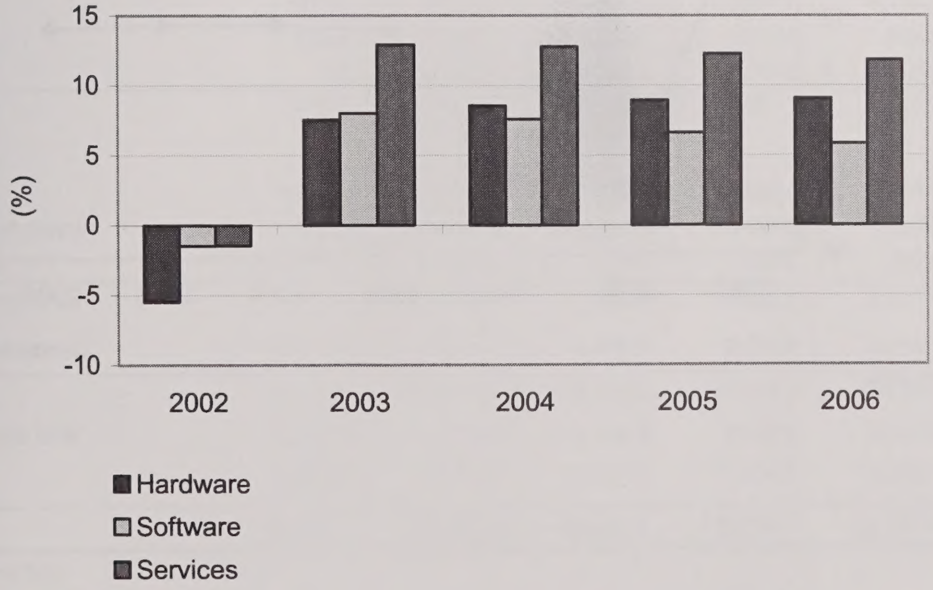
The economic crisis in Argentina is one of several economic and political factors impacting the region. In Brazil, where political uncertainty is clouding the outlook for many companies, IT spending is expected to grow by a mere 2.6% this year, well below recent historical levels prior to 2001. In Colombia, where there has been a renewal of armed civil conflict, IT spending will recover somewhat to 7% year-on-year growth but remain significantly behind previous growth levels. Even more pronounced is Venezuela, gripped by political intrigue and uncertainty, where IT spending will decline by 9.4% this year. Mexico, like most of the region, is also impacted by the slow economic environment in the United States, where recovery is still in the early stages. Partly as a result of this, IT growth in Mexico will not exceed 6% this year.

Figures 16–18 show worldwide IT spending from 2000 to 2006.

Tables 350–388 show forecasts for Latin America IT spending from 2001 to 2006.

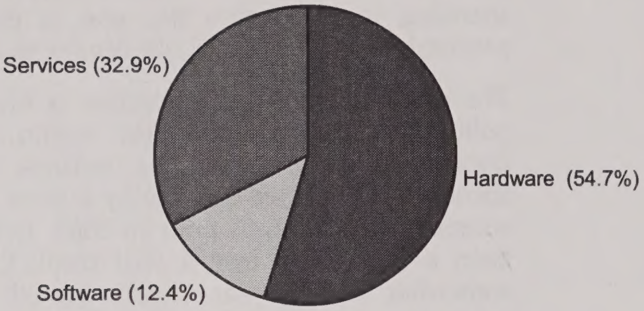
Figure 16

Latin America IT Spending Growth by Segment, 2002–2006



Source: IDC, June 2002

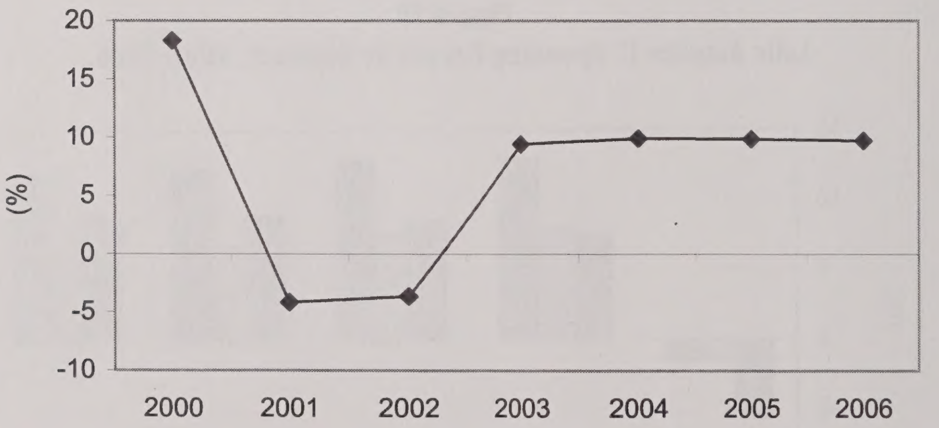
Figure 17
Latin America IT Spending Proportions by Segment, 2001



Total = $28.5B

Source: IDC, June 2002

Figure 18
Latin America IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 350
IT Spending in Latin America, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1,135.5	1,090.3	1,235.9	1,403.4	1,577.1	1,775.3
Implementation	2,574.2	2,387.5	2,711.3	3,090.4	3,478.3	3,883.5
Support services	2,606.7	2,624.4	2,865.7	3,113.1	3,384.8	3,672.6
Operations management	2,719.0	2,790.8	3,230.5	3,709.6	4,260.4	4,872.2
Training and education	361.5	368.8	414.1	477.7	541.7	606.4
Services total	9,396.9	9,261.9	10,457.6	11,794.2	13,242.4	14,809.9
Packaged software						
System infrastructure software	842.1	810.7	887.3	961.0	1,025.6	1,082.2
Appl. development and deployment	1,448.7	1,433.4	1,511.1	1,603.8	1,696.7	1,782.6
Applications	1,237.0	1,232.1	1,356.3	1,475.0	1,584.9	1,694.4
Packaged software total	3,527.8	3,476.2	3,754.8	4,039.8	4,307.2	4,559.2
Hardware						
Systems						
High-end servers	489.1	381.7	401.6	401.2	397.8	400.7
Midrange servers	439.0	412.3	426.5	436.5	459.5	492.4
Low-end servers	950.6	865.5	930.3	998.8	1,073.1	1,162.0
Standard Intel servers	665.0	643.0	694.0	753.6	819.9	900.0
Other low-end servers	285.6	222.5	236.2	245.2	253.2	262.0
Personal computers	8,508.5	8,059.7	8,540.1	9,210.9	10,062.9	11,049.4
Traditional workstations	179.3	141.6	131.6	120.8	119.0	103.4
Systems total	10,566.5	9,860.8	10,430.0	11,168.1	12,112.4	13,207.9
Storage						
Disk systems	680.6	744.9	924.0	1,096.0	1,258.1	1,422.0
Tape	184.8	190.5	221.6	246.9	266.6	283.3
Fibre Channel	8.6	9.5	11.9	14.2	16.4	18.6
Storage total	874.0	944.9	1,157.5	1,357.1	1,541.1	1,724.0
Peripherals						
Printers	1,504.2	1,291.8	1,319.6	1,465.9	1,608.2	1,763.2
Smart handheld devices	250.6	287.4	364.5	444.2	509.8	568.7
Other add-ons	170.2	178.9	208.4	245.0	289.8	342.5
Peripherals total	1,925.0	1,758.1	1,892.5	2,155.2	2,407.8	2,674.4
Networking equipment	2,223.9	2,170.6	2,365.9	2,519.8	2,676.7	2,833.1
Hardware total	15,589.4	14,734.5	15,845.9	17,200.2	18,738.0	20,439.4
Packaged software total	3,527.8	3,476.2	3,754.8	4,039.8	4,307.2	4,559.2
Services total	9,396.9	9,261.9	10,457.6	11,794.2	13,242.4	14,809.9
Total IT	28,514.1	27,472.5	30,058.2	33,034.2	36,287.6	39,808.5

Source: IDC, June 2002

Table 351
Growth in IT Spending in Latin America, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	-4.0	13.4	13.6	12.4	12.6	13.0
Implementation	-7.2	13.6	14.0	12.6	11.6	12.9
Support services	0.7	9.2	8.6	8.7	8.5	8.8
Operations management	2.6	15.8	14.8	14.8	14.4	14.9
Training and education	2.0	12.3	15.4	13.4	11.9	13.2
Services total	-1.4	12.9	12.8	12.3	11.8	12.5
Packaged software						
System infrastructure software	-3.7	9.4	8.3	6.7	5.5	7.5
Appl. development and deployment	-1.1	5.4	6.1	5.8	5.1	5.6
Applications	-0.4	10.1	8.7	7.4	6.9	8.3
Packaged software total	-1.5	8.0	7.6	6.6	5.9	7.0
Hardware						
Systems						
High-end servers	-21.9	5.2	-0.1	-0.8	0.7	1.2
Midrange servers	-6.1	3.5	2.4	5.3	7.2	4.5
Low-end servers	-9.0	7.5	7.4	7.4	8.3	7.6
Standard Intel servers	-3.3	7.9	8.6	8.8	9.8	8.8
Other low-end servers	-22.1	6.2	3.8	3.2	3.5	4.2
Personal computers	-5.3	6.0	7.9	9.3	9.8	8.2
Traditional workstations	-21.0	-7.1	-8.2	-1.5	-13.1	-7.6
Systems total	-6.7	5.8	7.1	8.5	9.0	7.6
Storage						
Disk systems	9.4	24.0	18.6	14.8	13.0	17.5
Tape	3.1	16.4	11.4	8.0	6.3	10.4
Fibre Channel	11.5	25.1	19.1	15.4	13.6	18.2
Storage total	8.1	22.5	17.2	13.6	11.9	16.2
Peripherals						
Printers	-14.1	2.2	11.1	9.7	9.6	8.1
Smart handheld devices	14.7	26.8	21.9	14.8	11.6	18.6
Other add-ons	5.1	16.5	17.6	18.3	18.2	17.6
Peripherals total	-8.7	7.6	13.9	11.7	11.1	11.1
Networking equipment	-2.4	9.0	6.5	6.2	5.8	6.9
Hardware total	-5.5	7.5	8.5	8.9	9.1	8.5
Packaged software total	-1.5	8.0	7.6	6.6	5.9	7.0
Services total	-1.4	12.9	12.8	12.3	11.8	12.5
Total IT	-3.7	9.4	9.9	9.8	9.7	9.7

Source: IDC, June 2002

Table 352
Proportions of IT Spending Categories in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.0	4.0	4.1	4.2	4.3	4.5
Implementation	9.0	8.7	9.0	9.4	9.6	9.8
Support services	9.1	9.6	9.5	9.4	9.3	9.2
Operations management	9.5	10.2	10.7	11.2	11.7	12.2
Training and education	1.3	1.3	1.4	1.4	1.5	1.5
Services total	33.0	33.7	34.8	35.7	36.5	37.2
Packaged software						
System infrastructure software	3.0	3.0	3.0	2.9	2.8	2.7
Appl. development and deployment	5.1	5.2	5.0	4.9	4.7	4.5
Applications	4.3	4.5	4.5	4.5	4.4	4.3
Packaged software total	12.4	12.7	12.5	12.2	11.9	11.5
Hardware						
Systems						
High-end servers	1.7	1.4	1.3	1.2	1.1	1.0
Midrange servers	1.5	1.5	1.4	1.3	1.3	1.2
Low-end servers	3.3	3.2	3.1	3.0	3.0	2.9
Standard Intel servers	2.3	2.3	2.3	2.3	2.3	2.3
Other low-end servers	1.0	0.8	0.8	0.7	0.7	0.7
Personal computers	29.8	29.3	28.4	27.9	27.7	27.8
Traditional workstations	0.6	0.5	0.4	0.4	0.3	0.3
Systems total	37.1	35.9	34.7	33.8	33.4	33.2
Storage						
Disk systems	2.4	2.7	3.1	3.3	3.5	3.6
Tape	0.6	0.7	0.7	0.7	0.7	0.7
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	3.1	3.4	3.9	4.1	4.2	4.3
Peripherals						
Printers	5.3	4.7	4.4	4.4	4.4	4.4
Smart handheld devices	0.9	1.0	1.2	1.3	1.4	1.4
Other add-ons	0.6	0.7	0.7	0.7	0.8	0.9
Peripherals total	6.8	6.4	6.3	6.5	6.6	6.7
Networking equipment	7.8	7.9	7.9	7.6	7.4	7.1
Hardware total	54.7	53.6	52.7	52.1	51.6	51.3
Packaged software total	12.4	12.7	12.5	12.2	11.9	11.5
Services total	33.0	33.7	34.8	35.7	36.5	37.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 353
Latin America Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.5	2.2	2.3	2.3	2.3	2.3
Implementation	2.7	2.3	2.4	2.4	2.5	2.5
Support services	2.8	2.6	2.6	2.6	2.5	2.5
Operations management	1.8	1.7	1.8	1.8	1.9	1.9
Training and education	1.4	1.3	1.3	1.4	1.4	1.4
Services total	2.3	2.1	2.1	2.1	2.2	2.2
Packaged software						
System infrastructure software	1.7	1.5	1.5	1.4	1.3	1.2
Appl. development and deployment	3.5	3.2	3.0	2.8	2.5	2.4
Applications	1.5	1.4	1.4	1.3	1.3	1.2
Packaged software total	2.0	1.8	1.8	1.7	1.6	1.5
Hardware						
Systems						
High-end servers	4.6	4.0	4.3	4.3	4.1	4.1
Midrange servers	3.2	3.1	3.0	2.8	2.6	2.6
Low-end servers	3.2	2.8	2.8	2.9	2.9	3.0
Standard Intel servers	3.4	3.1	3.1	3.0	3.0	3.0
Other low-end servers	2.9	2.2	2.2	2.5	2.6	2.7
Personal computers	5.0	5.2	5.4	5.4	5.7	6.1
Traditional workstations	4.6	4.2	4.4	4.5	5.0	4.9
Systems total	4.7	4.7	4.8	4.8	5.0	5.3
Storage						
Disk systems	2.6	2.9	3.4	3.9	4.2	4.5
Tape	4.7	4.7	5.1	5.3	5.1	5.2
Fibre Channel	0.5	0.3	0.3	0.3	0.3	0.2
Storage total	2.8	2.9	3.3	3.5	3.7	3.8
Peripherals						
Printers	5.8	5.2	5.2	5.6	6.0	6.4
Smart handheld devices	4.0	4.0	4.3	4.5	4.4	4.3
Other add-ons	1.4	1.5	1.7	1.8	2.0	2.3
Peripherals total	4.3	4.0	4.1	4.3	4.6	4.8
Networking equipment	3.9	3.8	3.8	3.6	3.5	3.4
Hardware total	4.3	4.3	4.4	4.4	4.5	4.7
Packaged software total	2.0	1.8	1.8	1.7	1.6	1.5
Services total	2.3	2.1	2.1	2.1	2.2	2.2
Total IT	3.0	2.8	2.8	2.8	2.8	2.8

Source: IDC, June 2002

Table 354

IT Spending in Argentina, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	140.1	59.5	91.7	123.0	156.4	192.0
Implementation	426.0	145.6	228.0	312.5	400.7	490.0
Support services	270.5	163.9	200.0	246.0	303.8	363.2
Operations management	220.1	102.2	159.9	220.7	295.1	369.1
Training and education	28.0	10.6	14.5	19.2	24.1	29.7
Services total	1,084.6	481.9	694.1	921.4	1,180.1	1,444.0
Packaged software						
System infrastructure software	127.6	60.1	89.4	119.1	141.0	156.2
Appl. development and deployment	119.7	53.7	85.0	116.8	149.9	176.7
Applications	136.9	59.0	95.3	129.2	163.0	199.5
Packaged software total	384.2	172.8	269.7	365.1	453.9	532.4
Hardware						
Systems						
High-end servers	3.4	3.3	14.3	14.3	11.9	9.8
Midrange servers	33.3	15.6	21.4	22.5	23.6	24.8
Low-end servers	74.0	31.0	63.7	84.8	100.6	119.5
Standard Intel servers	42.8	20.3	40.3	54.4	64.9	77.4
Other low-end servers	31.2	10.7	23.4	30.3	35.7	42.1
Personal computers	790.5	174.5	376.6	567.0	687.1	831.3
Traditional workstations	15.1	2.5	4.7	6.2	6.7	6.0
Systems total	916.3	226.9	480.7	694.9	829.9	991.4
Storage						
Disk systems	59.6	43.9	76.6	104.2	114.5	117.4
Tape	14.0	9.8	16.9	22.8	24.8	25.1
Fibre Channel	0.7	0.5	0.9	1.3	1.4	1.5
Storage total	74.3	54.2	94.4	128.3	140.7	144.0
Peripherals						
Printers	146.1	19.3	55.6	123.7	151.2	177.0
Smart handheld devices	28.5	31.4	41.1	52.9	63.8	71.6
Other add-ons	15.8	3.9	9.2	15.1	19.8	25.8
Peripherals total	190.5	54.5	105.9	191.6	234.8	274.4
Networking equipment	177.6	99.6	102.1	99.8	97.5	97.8
Hardware total	1,358.7	435.2	783.1	1,114.6	1,302.9	1,507.6
Packaged software total	384.2	172.8	269.7	365.1	453.9	532.4
Services total	1,084.6	481.9	694.1	921.4	1,180.1	1,444.0
Total IT	2,827.5	1,089.9	1,746.9	2,401.1	2,936.9	3,484.0

Source: IDC, June 2002

Table 355
Growth in IT Spending in Argentina, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	-57.5	53.9	34.2	27.1	22.8	34.0
Implementation	-65.8	56.6	37.0	28.2	22.3	35.4
Support services	-39.4	22.0	23.0	23.5	19.6	22.0
Operations management	-53.6	56.4	38.1	33.7	25.1	37.8
Training and education	-62.2	37.1	32.5	25.3	23.4	29.4
Services total	-55.6	44.0	32.8	28.1	22.4	31.6
Packaged software						
System infrastructure software	-52.9	48.8	33.2	18.4	10.8	27.0
Appl. development and deployment	-55.1	58.3	37.4	28.3	17.9	34.7
Applications	-56.9	61.5	35.6	26.2	22.4	35.6
Packaged software total	-55.0	56.1	35.4	24.3	17.3	32.5
Hardware						
Systems						
High-end servers	-3.2	338.7	0.2	-17.2	-17.2	31.8
Midrange servers	-53.1	37.1	5.0	5.0	5.0	12.2
Low-end servers	-58.1	105.5	33.0	18.7	18.8	40.1
Standard Intel servers	-52.7	98.8	35.0	19.3	19.2	39.8
Other low-end servers	-65.6	118.1	29.5	17.6	17.9	40.7
Personal computers	-77.9	115.8	50.6	21.2	21.0	47.7
Traditional workstations	-83.3	86.3	33.0	7.9	-11.4	24.1
Systems total	-75.2	111.8	44.5	19.4	19.5	44.6
Storage						
Disk systems	-26.4	74.5	36.1	9.9	2.6	27.9
Tape	-30.2	72.9	34.8	8.6	1.3	26.5
Fibre Channel	-26.6	77.6	38.5	11.7	4.3	30.1
Storage total	-27.1	74.2	35.9	9.7	2.4	27.7
Peripherals						
Printers	-86.8	188.8	122.3	22.3	17.0	74.1
Smart handheld devices	10.1	30.9	28.6	20.6	12.4	22.9
Other add-ons	-75.5	137.1	64.2	31.2	30.2	60.6
Peripherals total	-71.4	94.2	80.9	22.5	16.9	49.8
Networking equipment	-43.9	2.5	-2.3	-2.3	0.3	-0.5
Hardware total	-68.0	79.9	42.3	16.9	15.7	36.4
Packaged software total	-55.0	56.1	35.4	24.3	17.3	32.5
Services total	-55.6	44.0	32.8	28.1	22.4	31.6
Total IT	-61.5	60.3	37.4	22.3	18.6	33.7

Source: IDC, June 2002

Table 356
Proportions of IT Spending Categories in Argentina, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.0	5.5	5.2	5.1	5.3	5.5
Implementation	15.1	13.4	13.1	13.0	13.6	14.1
Support services	9.6	15.0	11.4	10.2	10.3	10.4
Operations management	7.8	9.4	9.2	9.2	10.0	10.6
Training and education	1.0	1.0	0.8	0.8	0.8	0.9
Services total	38.4	44.2	39.7	38.4	40.2	41.4
Packaged software						
System infrastructure software	4.5	5.5	5.1	5.0	4.8	4.5
Appl. development and deployment	4.2	4.9	4.9	4.9	5.1	5.1
Applications	4.8	5.4	5.5	5.4	5.6	5.7
Packaged software total	13.6	15.9	15.4	15.2	15.5	15.3
Hardware						
Systems						
High-end servers	0.1	0.3	0.8	0.6	0.4	0.3
Midrange servers	1.2	1.4	1.2	0.9	0.8	0.7
Low-end servers	2.6	2.8	3.6	3.5	3.4	3.4
Standard Intel servers	1.5	1.9	2.3	2.3	2.2	2.2
Other low-end servers	1.1	1.0	1.3	1.3	1.2	1.2
Personal computers	28.0	16.0	21.6	23.6	23.4	23.9
Traditional workstations	0.5	0.2	0.3	0.3	0.2	0.2
Systems total	32.4	20.8	27.5	28.9	28.3	28.5
Storage						
Disk systems	2.1	4.0	4.4	4.3	3.9	3.4
Tape	0.5	0.9	1.0	1.0	0.8	0.7
Fibre Channel	0.0	0.0	0.1	0.1	0.0	0.0
Storage total	2.6	5.0	5.4	5.3	4.8	4.1
Peripherals						
Printers	5.2	1.8	3.2	5.2	5.1	5.1
Smart handheld devices	1.0	2.9	2.4	2.2	2.2	2.1
Other add-ons	0.6	0.4	0.5	0.6	0.7	0.7
Peripherals total	6.7	5.0	6.1	8.0	8.0	7.9
Networking equipment	6.3	9.1	5.8	4.2	3.3	2.8
Hardware total	48.1	39.9	44.8	46.4	44.4	43.3
Packaged software total	13.6	15.9	15.4	15.2	15.5	15.3
Services total	38.4	44.2	39.7	38.4	40.2	41.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 357
Argentina Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	12.3	5.5	7.4	8.8	9.9	10.8
Implementation	16.5	6.1	8.4	10.1	11.5	12.6
Support services	10.4	6.2	7.0	7.9	9.0	9.9
Operations management	8.1	3.7	4.9	6.0	6.9	7.6
Training and education	7.7	2.9	3.5	4.0	4.4	4.9
Services total	11.5	5.2	6.6	7.8	8.9	9.8
Packaged software						
System infrastructure software	15.2	7.4	10.1	12.4	13.7	14.4
Appl. development and deployment	8.3	3.7	5.6	7.3	8.8	9.9
Applications	11.1	4.8	7.0	8.8	10.3	11.8
Packaged software total	10.9	5.0	7.2	9.0	10.5	11.7
Hardware						
Systems						
High-end servers	0.7	0.9	3.6	3.6	3.0	2.5
Midrange servers	7.6	3.8	5.0	5.1	5.1	5.0
Low-end servers	7.8	3.6	6.9	8.5	9.4	10.3
Standard Intel servers	6.4	3.2	5.8	7.2	7.9	8.6
Other low-end servers	10.9	4.8	9.9	12.4	14.1	16.1
Personal computers	9.3	2.2	4.4	6.2	6.8	7.5
Traditional workstations	8.4	1.8	3.6	5.2	5.6	5.8
Systems total	8.7	2.3	4.6	6.2	6.9	7.5
Storage						
Disk systems	8.8	5.9	8.3	9.5	9.1	8.3
Tape	7.6	5.1	7.6	9.2	9.3	8.9
Fibre Channel	8.2	5.4	7.7	8.9	8.6	7.9
Storage total	8.5	5.7	8.2	9.5	9.1	8.4
Peripherals						
Printers	9.7	1.5	4.2	8.4	9.4	10.0
Smart handheld devices	11.4	10.9	11.3	11.9	12.5	12.6
Other add-ons	9.3	2.2	4.4	6.2	6.8	7.5
Peripherals total	9.9	3.1	5.6	8.9	9.8	10.3
Networking equipment	8.0	4.6	4.3	4.0	3.6	3.5
Hardware total	8.7	3.0	4.9	6.5	7.0	7.4
Packaged software total	10.9	5.0	7.2	9.0	10.5	11.7
Services total	11.5	5.2	6.6	7.8	8.9	9.8
Total IT	9.9	4.0	5.8	7.3	8.1	8.8

Source: IDC, June 2002

Table 358
Argentina Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.3	0.1	0.2	0.2	0.2	0.2
Implementation	0.4	0.1	0.2	0.2	0.3	0.3
Support services	0.3	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.1	0.0	0.0	0.1	0.1	0.1
Services total	0.3	0.1	0.1	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.3	0.1	0.1	0.2	0.2	0.2
Appl. development and deployment	0.3	0.1	0.2	0.2	0.2	0.2
Applications	0.2	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.2	0.1	0.1	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.0	0.0	0.2	0.2	0.1	0.1
Midrange servers	0.2	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.3	0.1	0.2	0.2	0.3	0.3
Standard Intel servers	0.2	0.1	0.2	0.2	0.2	0.3
Other low-end servers	0.3	0.1	0.2	0.3	0.4	0.4
Personal computers	0.5	0.1	0.2	0.3	0.4	0.5
Traditional workstations	0.4	0.1	0.2	0.2	0.3	0.3
Systems total	0.4	0.1	0.2	0.3	0.3	0.4
Storage						
Disk systems	0.2	0.2	0.3	0.4	0.4	0.4
Tape	0.4	0.2	0.4	0.5	0.5	0.5
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.2	0.2	0.3	0.3	0.3	0.3
Peripherals						
Printers	0.6	0.1	0.2	0.5	0.6	0.6
Smart handheld devices	0.5	0.4	0.5	0.5	0.6	0.5
Other add-ons	0.1	0.0	0.1	0.1	0.1	0.2
Peripherals total	0.4	0.1	0.2	0.4	0.4	0.5
Networking equipment	0.3	0.2	0.2	0.1	0.1	0.1
Hardware total	0.4	0.1	0.2	0.3	0.3	0.3
Packaged software total	0.2	0.1	0.1	0.2	0.2	0.2
Services total	0.3	0.1	0.1	0.2	0.2	0.2
Total IT	0.3	0.1	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 359
IT Spending in Brazil, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	407.2	436.0	500.7	573.8	651.0	728.1
Implementation	1,115.6	1,165.2	1,298.6	1,451.4	1,608.6	1,767.8
Support services	1,285.8	1,331.9	1,432.5	1,550.3	1,649.1	1,741.3
Operations management	1,496.3	1,666.8	1,929.5	2,225.5	2,550.3	2,900.8
Training and education	171.0	181.5	209.1	243.3	276.2	309.4
Services total	4,476.0	4,781.4	5,370.4	6,044.4	6,735.1	7,447.3
Packaged software						
System infrastructure software	459.0	477.3	498.8	517.7	535.9	552.5
Appl. development and deployment	827.3	850.5	876.8	900.5	922.1	943.3
Applications	491.8	527.1	572.6	617.1	659.9	700.7
Packaged software total	1,778.0	1,854.9	1,948.3	2,035.3	2,117.9	2,196.5
Hardware						
Systems						
High-end servers	382.7	284.0	282.2	276.7	273.7	273.2
Midrange servers	191.8	165.6	161.6	161.4	163.8	167.6
Low-end servers	398.1	343.0	342.1	348.1	355.1	360.7
Standard Intel servers	280.4	264.2	262.1	267.0	271.9	275.3
Other low-end servers	117.7	78.9	80.0	81.1	83.3	85.3
Personal computers	3,081.1	3,141.1	3,263.7	3,383.5	3,584.9	3,831.5
Traditional workstations	95.0	83.7	78.2	69.6	70.0	62.7
Systems total	4,148.7	4,017.4	4,127.8	4,239.3	4,447.5	4,695.6
Storage						
Disk systems	329.8	369.8	426.7	492.0	562.4	637.9
Tape	97.0	102.0	108.0	113.0	117.0	120.0
Fibre Channel	4.2	4.9	5.8	6.8	7.9	9.0
Storage total	430.9	476.7	540.5	611.8	687.3	767.0
Peripherals						
Printers	563.2	530.3	521.4	532.3	536.7	565.4
Smart handheld devices	106.5	118.0	149.1	182.6	213.4	237.9
Other add-ons	61.6	69.7	79.6	90.0	103.2	118.8
Peripherals total	731.2	718.0	750.1	804.9	853.4	922.1
Networking equipment	1,011.7	1,053.5	1,156.8	1,214.9	1,258.0	1,301.9
Hardware total	6,322.5	6,265.6	6,575.3	6,870.9	7,246.2	7,686.6
Packaged software total	1,778.0	1,854.9	1,948.3	2,035.3	2,117.9	2,196.5
Services total	4,476.0	4,781.4	5,370.4	6,044.4	6,735.1	7,447.3
Total IT	12,576.5	12,902.0	13,893.9	14,950.6	16,099.1	17,330.4

Source: IDC, June 2002

Table 360
Growth in IT Spending in Brazil, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	7.1	14.8	14.6	13.5	11.8	13.7
Implementation	4.4	11.5	11.8	10.8	9.9	11.0
Support services	3.6	7.6	8.2	6.4	5.6	6.9
Operations management	11.4	15.8	15.3	14.6	13.7	14.9
Training and education	6.1	15.2	16.4	13.5	12.0	14.3
Services total	6.8	12.3	12.6	11.4	10.6	11.7
Packaged software						
System infrastructure software	4.0	4.5	3.8	3.5	3.1	3.7
Appl. development and deployment	2.8	3.1	2.7	2.4	2.3	2.6
Applications	7.2	8.6	7.8	6.9	6.2	7.4
Packaged software total	4.3	5.0	4.5	4.1	3.7	4.3
Hardware						
Systems						
High-end servers	-25.8	-0.6	-1.9	-1.1	-0.2	-1.0
Midrange servers	-13.7	-2.4	-0.2	1.5	2.3	0.3
Low-end servers	-13.8	-0.3	1.8	2.0	1.6	1.3
Standard Intel servers	-5.8	-0.8	1.9	1.8	1.3	1.0
Other low-end servers	-33.0	1.5	1.3	2.7	2.5	2.0
Personal computers	1.9	3.9	3.7	6.0	6.9	5.1
Traditional workstations	-11.9	-6.6	-11.0	0.6	-10.3	-7.0
Systems total	-3.2	2.7	2.7	4.9	5.6	4.0
Storage						
Disk systems	12.2	15.4	15.3	14.3	13.4	14.6
Tape	5.2	5.9	4.6	3.5	2.6	4.1
Fibre Channel	17.2	18.6	17.0	15.9	14.9	16.6
Storage total	10.6	13.4	13.2	12.3	11.6	12.6
Peripherals						
Printers	-5.8	-1.7	2.1	0.8	5.3	1.6
Smart handheld devices	10.9	26.3	22.5	16.9	11.5	19.2
Other add-ons	13.2	14.2	13.0	14.7	15.0	14.2
Peripherals total	-1.8	4.5	7.3	6.0	8.1	6.5
Networking equipment	4.1	9.8	5.0	3.5	3.5	5.4
Hardware total	-0.9	4.9	4.5	5.5	6.1	5.2
Packaged software total	4.3	5.0	4.5	4.1	3.7	4.3
Services total	6.8	12.3	12.6	11.4	10.6	11.7
Total IT	2.6	7.7	7.6	7.7	7.6	7.7

Source: IDC, June 2002

Table 361
Proportions of IT Spending Categories in Brazil, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.2	3.4	3.6	3.8	4.0	4.2
Implementation	8.9	9.0	9.3	9.7	10.0	10.2
Support services	10.2	10.3	10.3	10.4	10.2	10.0
Operations management	11.9	12.9	13.9	14.9	15.8	16.7
Training and education	1.4	1.4	1.5	1.6	1.7	1.8
Services total	35.6	37.1	38.7	40.4	41.8	43.0
Packaged software						
System infrastructure software	3.6	3.7	3.6	3.5	3.3	3.2
Appl. development and deployment	6.6	6.6	6.3	6.0	5.7	5.4
Applications	3.9	4.1	4.1	4.1	4.1	4.0
Packaged software total	14.1	14.4	14.0	13.6	13.2	12.7
Hardware						
Systems						
High-end servers	3.0	2.2	2.0	1.9	1.7	1.6
Midrange servers	1.5	1.3	1.2	1.1	1.0	1.0
Low-end servers	3.2	2.7	2.5	2.3	2.2	2.1
Standard Intel servers	2.2	2.0	1.9	1.8	1.7	1.6
Other low-end servers	0.9	0.6	0.6	0.5	0.5	0.5
Personal computers	24.5	24.3	23.5	22.6	22.3	22.1
Traditional workstations	0.8	0.6	0.6	0.5	0.4	0.4
Systems total	33.0	31.1	29.7	28.4	27.6	27.1
Storage						
Disk systems	2.6	2.9	3.1	3.3	3.5	3.7
Tape	0.8	0.8	0.8	0.8	0.7	0.7
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.1
Storage total	3.4	3.7	3.9	4.1	4.3	4.4
Peripherals						
Printers	4.5	4.1	3.8	3.6	3.3	3.3
Smart handheld devices	0.8	0.9	1.1	1.2	1.3	1.4
Other add-ons	0.5	0.5	0.6	0.6	0.6	0.7
Peripherals total	5.8	5.6	5.4	5.4	5.3	5.3
Networking equipment	8.0	8.2	8.3	8.1	7.8	7.5
Hardware total	50.3	48.6	47.3	46.0	45.0	44.4
Packaged software total	14.1	14.4	14.0	13.6	13.2	12.7
Services total	35.6	37.1	38.7	40.4	41.8	43.0
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 362

Brazil Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	35.9	40.0	40.5	40.9	41.3	41.0
Implementation	43.3	48.8	47.9	47.0	46.2	45.5
Support services	49.3	50.8	50.0	49.8	48.7	47.4
Operations management	55.0	59.7	59.7	60.0	59.9	59.5
Training and education	47.3	49.2	50.5	50.9	51.0	51.0
Services total	47.6	51.6	51.4	51.2	50.9	50.3
Packaged software						
System infrastructure software	54.5	58.9	56.2	53.9	52.2	51.1
Appl. development and deployment	57.1	59.3	58.0	56.1	54.3	52.9
Applications	39.8	42.8	42.2	41.8	41.6	41.4
Packaged software total	50.4	53.4	51.9	50.4	49.2	48.2
Hardware						
Systems						
High-end servers	78.3	74.4	70.3	69.0	68.8	68.2
Midrange servers	43.7	40.2	37.9	37.0	35.7	34.0
Low-end servers	41.9	39.6	36.8	34.9	33.1	31.0
Standard Intel servers	42.2	41.1	37.8	35.4	33.2	30.6
Other low-end servers	41.2	35.4	33.9	33.1	32.9	32.6
Personal computers	36.2	39.0	38.2	36.7	35.6	34.7
Traditional workstations	53.0	59.1	59.4	57.6	58.8	60.7
Systems total	39.3	40.7	39.6	38.0	36.7	35.6
Storage						
Disk systems	48.4	49.6	46.2	44.9	44.7	44.9
Tape	52.5	53.6	48.7	45.8	43.9	42.4
Fibre Channel	48.7	51.2	48.6	47.7	47.9	48.5
Storage total	49.3	50.4	46.7	45.1	44.6	44.5
Peripherals						
Printers	37.4	41.1	39.5	36.3	33.4	32.1
Smart handheld devices	42.5	41.1	40.9	41.1	41.9	41.8
Other add-ons	36.2	39.0	38.2	36.7	35.6	34.7
Peripherals total	38.0	40.8	39.6	37.3	35.4	34.5
Networking equipment	45.5	48.5	48.9	48.2	47.0	46.0
Hardware total	40.6	42.5	41.5	39.9	38.7	37.6
Packaged software total	50.4	53.4	51.9	50.4	49.2	48.2
Services total	47.6	51.6	51.4	51.2	50.9	50.3
Total IT	44.1	47.0	46.2	45.3	44.4	43.5

Source: IDC, June 2002

Table 363
Brazil Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.9	0.9	0.9	0.9	0.9	0.9
Implementation	1.2	1.1	1.1	1.1	1.1	1.1
Support services	1.4	1.3	1.3	1.3	1.2	1.2
Operations management	1.0	1.0	1.0	1.1	1.1	1.2
Training and education	0.6	0.6	0.7	0.7	0.7	0.7
Services total	1.1	1.1	1.1	1.1	1.1	1.1
Packaged software						
System infrastructure software	0.9	0.9	0.8	0.7	0.7	0.6
Appl. development and deployment	2.0	1.9	1.7	1.6	1.4	1.3
Applications	0.6	0.6	0.6	0.6	0.5	0.5
Packaged software total	1.0	1.0	0.9	0.9	0.8	0.7
Hardware						
Systems						
High-end servers	3.6	3.0	3.0	3.0	2.9	2.8
Midrange servers	1.4	1.3	1.1	1.0	0.9	0.9
Low-end servers	1.4	1.1	1.0	1.0	1.0	0.9
Standard Intel servers	1.4	1.3	1.2	1.1	1.0	0.9
Other low-end servers	1.2	0.8	0.8	0.8	0.8	0.9
Personal computers	1.8	2.0	2.1	2.0	2.0	2.1
Traditional workstations	2.4	2.5	2.6	2.6	2.9	3.0
Systems total	1.8	1.9	1.9	1.8	1.8	1.9
Storage						
Disk systems	1.3	1.5	1.6	1.7	1.9	2.0
Tape	2.4	2.5	2.5	2.4	2.2	2.2
Fibre Channel	0.2	0.2	0.1	0.1	0.1	0.1
Storage total	1.4	1.5	1.5	1.6	1.6	1.7
Peripherals						
Printers	2.2	2.1	2.1	2.0	2.0	2.1
Smart handheld devices	1.7	1.6	1.8	1.8	1.8	1.8
Other add-ons	0.5	0.6	0.6	0.7	0.7	0.8
Peripherals total	1.6	1.6	1.6	1.6	1.6	1.7
Networking equipment	1.8	1.9	1.9	1.7	1.6	1.5
Hardware total	1.8	1.8	1.8	1.8	1.7	1.8
Packaged software total	1.0	1.0	0.9	0.9	0.8	0.7
Services total	1.1	1.1	1.1	1.1	1.1	1.1
Total IT	1.3	1.3	1.3	1.3	1.2	1.2

Source: IDC, June 2002

Table 364
IT Spending in Chile, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	50.3	51.8	55.3	59.0	62.9	69.3
Implementation	92.3	98.5	111.0	123.9	135.4	148.5
Support services	94.8	97.7	105.4	110.3	121.4	135.7
Operations management	108.4	116.6	126.8	133.6	146.6	164.5
Training and education	21.0	23.5	23.3	26.0	29.1	32.0
Services total	366.8	388.1	421.8	452.8	495.5	550.0
Packaged software						
System infrastructure software	25.8	28.2	30.7	33.1	35.2	37.0
Appl. development and deployment	32.1	33.9	35.9	37.7	38.9	39.8
Applications	65.9	71.1	77.3	83.6	88.6	93.5
Packaged software total	123.8	133.2	144.0	154.4	162.8	170.3
Hardware						
Systems						
High-end servers	–	1.3	1.1	1.5	–	–
Midrange servers	13.9	16.2	17.1	17.6	18.3	19.0
Low-end servers	50.6	44.0	45.6	46.9	48.7	50.7
Standard Intel servers	35.3	27.7	28.7	29.5	30.7	31.9
Other low-end servers	15.3	16.3	16.9	17.4	18.0	18.8
Personal computers	349.4	335.8	348.8	365.0	382.9	406.4
Traditional workstations	2.6	2.3	2.3	2.3	2.3	2.3
Systems total	416.5	399.5	414.9	433.3	452.2	478.4
Storage						
Disk systems	29.2	31.2	40.3	49.1	57.3	65.9
Tape	7.4	7.4	9.3	10.9	12.3	13.7
Fibre Channel	0.4	0.4	0.5	0.6	0.7	0.8
Storage total	37.0	38.9	50.0	60.6	70.4	80.4
Peripherals						
Printers	64.3	62.2	64.7	68.5	71.2	75.2
Smart handheld devices	4.6	5.7	7.9	10.6	13.2	13.8
Other add-ons	7.0	7.5	8.5	9.7	11.0	12.6
Peripherals total	75.9	75.4	81.1	88.9	95.4	101.7
Networking equipment	81.7	84.4	93.5	104.2	116.6	126.3
Hardware total	611.1	598.3	639.5	687.0	734.6	786.8
Packaged software total	123.8	133.2	144.0	154.4	162.8	170.3
Services total	366.8	388.1	421.8	452.8	495.5	550.0
Total IT	1,101.7	1,119.6	1,205.2	1,294.1	1,392.8	1,507.0

Source: IDC, June 2002

Table 365
Growth in IT Spending in Chile, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	3.1	6.6	6.7	6.8	10.0	7.5
Implementation	6.7	12.6	11.6	9.3	9.7	10.8
Support services	3.1	7.8	4.7	10.1	11.8	8.6
Operations management	7.5	8.8	5.3	9.8	12.2	9.0
Training and education	12.1	-0.7	11.6	11.7	10.0	8.0
Services total	5.8	8.7	7.4	9.4	11.0	9.1
Packaged software						
System infrastructure software	9.1	9.1	7.6	6.4	5.0	7.0
Appl. development and deployment	5.7	5.8	5.0	3.3	2.2	4.1
Applications	7.9	8.8	8.1	6.0	5.5	7.1
Packaged software total	7.6	8.1	7.2	5.4	4.6	6.3
Hardware						
Systems						
High-end servers	–	-12.0	36.4	-100.0	–	-100.0
Midrange servers	16.5	5.2	3.0	4.0	4.0	4.0
Low-end servers	-13.1	3.8	2.8	3.8	4.0	3.6
Standard Intel servers	-21.7	3.8	2.8	3.9	4.0	3.6
Other low-end servers	6.8	3.6	2.8	3.8	4.0	3.6
Personal computers	-3.9	3.9	4.6	4.9	6.1	4.9
Traditional workstations	-11.1	0.7	0.2	-0.2	1.0	0.4
Systems total	-4.1	3.8	4.4	4.4	5.8	4.6
Storage						
Disk systems	6.6	29.2	22.0	16.8	15.0	20.6
Tape	0.0	25.0	17.9	12.9	11.0	16.6
Fibre Channel	5.3	28.4	21.2	16.1	14.3	19.9
Storage total	5.3	28.4	21.2	16.1	14.3	19.9
Peripherals						
Printers	-3.2	4.0	5.9	3.9	5.7	4.9
Smart handheld devices	25.1	37.9	35.2	24.1	5.0	24.8
Other add-ons	6.7	14.2	14.1	13.6	14.3	14.0
Peripherals total	-0.6	7.6	9.6	7.3	6.6	7.8
Networking equipment	3.4	10.7	11.5	11.9	8.3	10.6
Hardware total	-2.1	6.9	7.4	6.9	7.1	7.1
Packaged software total	7.6	8.1	7.2	5.4	4.6	6.3
Services total	5.8	8.7	7.4	9.4	11.0	9.1
Total IT	1.6	7.6	7.4	7.6	8.2	7.7

Source: IDC, June 2002

Table 366
Proportions of IT Spending Categories in Chile, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.6	4.6	4.6	4.6	4.5	4.6
Implementation	8.4	8.8	9.2	9.6	9.7	9.9
Support services	8.6	8.7	8.7	8.5	8.7	9.0
Operations management	9.8	10.4	10.5	10.3	10.5	10.9
Training and education	1.9	2.1	1.9	2.0	2.1	2.1
Services total	33.3	34.7	35.0	35.0	35.6	36.5
Packaged software						
System infrastructure software	2.3	2.5	2.6	2.6	2.5	2.5
Appl. development and deployment	2.9	3.0	3.0	2.9	2.8	2.6
Applications	6.0	6.3	6.4	6.5	6.4	6.2
Packaged software total	11.2	11.9	11.9	11.9	11.7	11.3
Hardware						
Systems						
High-end servers	–	0.1	0.1	0.1	–	–
Midrange servers	1.3	1.5	1.4	1.4	1.3	1.3
Low-end servers	4.6	3.9	3.8	3.6	3.5	3.4
Standard Intel servers	3.2	2.5	2.4	2.3	2.2	2.1
Other low-end servers	1.4	1.5	1.4	1.3	1.3	1.2
Personal computers	31.7	30.0	28.9	28.2	27.5	27.0
Traditional workstations	0.2	0.2	0.2	0.2	0.2	0.2
Systems total	37.8	35.7	34.4	33.5	32.5	31.7
Storage						
Disk systems	2.7	2.8	3.3	3.8	4.1	4.4
Tape	0.7	0.7	0.8	0.8	0.9	0.9
Fibre Channel	0.0	0.0	0.0	0.0	0.1	0.1
Storage total	3.4	3.5	4.1	4.7	5.1	5.3
Peripherals						
Printers	5.8	5.6	5.4	5.3	5.1	5.0
Smart handheld devices	0.4	0.5	0.7	0.8	0.9	0.9
Other add-ons	0.6	0.7	0.7	0.8	0.8	0.8
Peripherals total	6.9	6.7	6.7	6.9	6.8	6.7
Networking equipment	7.4	7.5	7.8	8.1	8.4	8.4
Hardware total	55.5	53.4	53.1	53.1	52.7	52.2
Packaged software total	11.2	11.9	11.9	11.9	11.7	11.3
Services total	33.3	34.7	35.0	35.0	35.6	36.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 367
Chile Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.4	4.8	4.5	4.2	4.0	3.9
Implementation	3.6	4.1	4.1	4.0	3.9	3.8
Support services	3.6	3.7	3.7	3.5	3.6	3.7
Operations management	4.0	4.2	3.9	3.6	3.4	3.4
Training and education	5.8	6.4	5.6	5.4	5.4	5.3
Services total	3.9	4.2	4.0	3.8	3.7	3.7
Packaged software						
System infrastructure software	3.1	3.5	3.5	3.4	3.4	3.4
Appl. development and deployment	2.2	2.4	2.4	2.3	2.3	2.2
Applications	5.3	5.8	5.7	5.7	5.6	5.5
Packaged software total	3.5	3.8	3.8	3.8	3.8	3.7
Hardware						
Systems						
High-end servers	–	0.3	0.3	0.4	–	–
Midrange servers	3.2	3.9	4.0	4.0	4.0	3.9
Low-end servers	5.3	5.1	4.9	4.7	4.5	4.4
Standard Intel servers	5.3	4.3	4.1	3.9	3.7	3.5
Other low-end servers	5.3	7.3	7.2	7.1	7.1	7.2
Personal computers	4.1	4.2	4.1	4.0	3.8	3.7
Traditional workstations	1.4	1.6	1.7	1.9	1.9	2.2
Systems total	3.9	4.1	4.0	3.9	3.7	3.6
Storage						
Disk systems	4.3	4.2	4.4	4.5	4.6	4.6
Tape	4.0	3.9	4.2	4.4	4.6	4.8
Fibre Channel	4.3	4.1	4.2	4.3	4.3	4.3
Storage total	4.2	4.1	4.3	4.5	4.6	4.7
Peripherals						
Printers	4.3	4.8	4.9	4.7	4.4	4.3
Smart handheld devices	1.8	2.0	2.2	2.4	2.6	2.4
Other add-ons	4.1	4.2	4.1	4.0	3.8	3.7
Peripherals total	3.9	4.3	4.3	4.1	4.0	3.8
Networking equipment	3.7	3.9	4.0	4.1	4.4	4.5
Hardware total	3.9	4.1	4.0	4.0	3.9	3.8
Packaged software total	3.5	3.8	3.8	3.8	3.8	3.7
Services total	3.9	4.2	4.0	3.8	3.7	3.7
Total IT	3.9	4.1	4.0	3.9	3.8	3.8

Source: IDC, June 2002

Table 368
Chile Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.0	0.0	0.0
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	–	0.0	0.0	0.0	–	–
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.2	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.2	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Personal computers	0.2	0.2	0.2	0.2	0.2	0.2
Traditional workstations	0.1	0.1	0.1	0.1	0.1	0.1
Systems total	0.2	0.2	0.2	0.2	0.2	0.2
Storage						
Disk systems	0.1	0.1	0.2	0.2	0.2	0.2
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.1	0.1	0.1	0.2	0.2	0.2
Peripherals						
Printers	0.2	0.2	0.3	0.3	0.3	0.3
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.2
Networking equipment	0.1	0.1	0.2	0.1	0.2	0.1
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 369
IT Spending in Colombia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	79.5	89.4	101.3	114.6	129.8	147.2
Implementation	138.2	153.5	172.4	193.8	218.2	246.0
Support services	141.2	153.1	165.0	177.6	191.4	206.5
Operations management	126.9	146.6	167.5	190.2	216.4	243.8
Training and education	19.0	22.3	26.6	31.3	35.2	39.7
Services total	504.9	564.9	632.8	707.4	791.0	883.2
Packaged software						
System infrastructure software	27.8	30.2	33.4	36.3	39.4	42.2
Appl. development and deployment	52.9	57.7	62.5	67.5	72.5	77.2
Applications	94.8	102.0	115.5	128.4	140.7	152.8
Packaged software total	175.5	189.9	211.4	232.2	252.6	272.2
Hardware						
Systems						
High-end servers	3.0	4.5	4.6	5.5	4.1	4.1
Midrange servers	23.0	21.2	22.4	23.9	25.4	27.2
Low-end servers	53.3	52.5	56.1	59.0	61.8	64.6
Standard Intel servers	37.9	35.7	37.5	39.1	41.4	44.3
Other low-end servers	15.4	16.8	18.6	19.9	20.4	20.3
Personal computers	389.9	426.2	448.1	469.3	502.6	532.3
Traditional workstations	5.8	5.6	5.3	4.9	4.8	4.4
Systems total	475.0	510.0	536.4	562.6	598.8	632.6
Storage						
Disk systems	33.8	33.9	43.6	50.9	57.8	65.8
Tape	8.5	8.0	10.0	11.3	12.4	13.6
Fibre Channel	0.4	0.4	0.5	0.6	0.7	0.8
Storage total	42.7	42.4	54.2	62.9	71.0	80.3
Peripherals						
Printers	90.4	84.0	75.2	78.8	102.6	101.6
Smart handheld devices	5.9	7.8	9.6	11.3	13.1	14.1
Other add-ons	7.8	9.5	10.9	12.5	14.5	16.5
Peripherals total	104.2	101.2	95.7	102.6	130.2	132.2
Networking equipment	139.6	135.3	152.3	173.5	210.4	226.8
Hardware total	761.5	788.9	838.7	901.6	1,010.3	1,071.9
Packaged software total	175.5	189.9	211.4	232.2	252.6	272.2
Services total	504.9	564.9	632.8	707.4	791.0	883.2
Total IT	1,441.9	1,543.7	1,682.9	1,841.2	2,053.9	2,227.2

Source: IDC, June 2002

Table 370
Growth in IT Spending in Colombia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	12.4	13.4	13.1	13.3	13.4	13.3
Implementation	11.1	12.3	12.4	12.6	12.8	12.5
Support services	8.4	7.7	7.7	7.8	7.9	7.8
Operations management	15.5	14.3	13.5	13.8	12.7	13.6
Training and education	17.4	19.1	17.5	12.7	12.7	15.5
Services total	11.9	12.0	11.8	11.8	11.7	11.8
Packaged software						
System infrastructure software	8.9	10.4	8.9	8.3	7.2	8.7
Appl. development and deployment	9.0	8.3	8.0	7.5	6.5	7.6
Applications	7.6	13.3	11.1	9.6	8.6	10.6
Packaged software total	8.2	11.3	9.9	8.8	7.8	9.4
Hardware						
Systems						
High-end servers	50.1	2.0	19.6	-24.6	-1.4	-2.4
Midrange servers	-8.0	5.7	6.8	6.2	6.9	6.4
Low-end servers	-1.4	6.8	5.1	4.8	4.6	5.3
Standard Intel servers	-5.9	4.9	4.3	6.0	7.1	5.6
Other low-end servers	9.6	10.6	6.8	2.4	-0.5	4.8
Personal computers	9.3	5.1	4.7	7.1	5.9	5.7
Traditional workstations	-3.0	-5.9	-7.5	-1.0	-7.9	-5.6
Systems total	7.4	5.2	4.9	6.4	5.7	5.5
Storage						
Disk systems	0.4	28.8	16.7	13.5	13.8	18.1
Tape	-5.9	24.6	12.9	9.7	9.9	14.1
Fibre Channel	-0.9	28.0	16.0	12.8	13.1	17.3
Storage total	-0.9	28.0	16.0	12.8	13.1	17.3
Peripherals						
Printers	-7.1	-10.5	4.8	30.2	-1.0	4.9
Smart handheld devices	30.8	23.3	17.7	16.5	7.7	16.1
Other add-ons	21.3	15.6	14.2	15.9	14.0	14.9
Peripherals total	-2.8	-5.5	7.1	27.0	1.5	6.9
Networking equipment	-3.1	12.6	13.9	21.2	7.8	13.8
Hardware total	3.6	6.3	7.5	12.1	6.1	8.0
Packaged software total	8.2	11.3	9.9	8.8	7.8	9.4
Services total	11.9	12.0	11.8	11.8	11.7	11.8
Total IT	7.1	9.0	9.4	11.5	8.4	9.6

Source: IDC, June 2002

Table 371
Proportions of IT Spending Categories in Colombia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.5	5.8	6.0	6.2	6.3	6.6
Implementation	9.6	9.9	10.2	10.5	10.6	11.0
Support services	9.8	9.9	9.8	9.6	9.3	9.3
Operations management	8.8	9.5	10.0	10.3	10.5	10.9
Training and education	1.3	1.4	1.6	1.7	1.7	1.8
Services total	35.0	36.6	37.6	38.4	38.5	39.7
Packaged software						
System infrastructure software	1.9	2.0	2.0	2.0	1.9	1.9
Appl. development and deployment	3.7	3.7	3.7	3.7	3.5	3.5
Applications	6.6	6.6	6.9	7.0	6.8	6.9
Packaged software total	12.2	12.3	12.6	12.6	12.3	12.2
Hardware						
Systems						
High-end servers	0.2	0.3	0.3	0.3	0.2	0.2
Midrange servers	1.6	1.4	1.3	1.3	1.2	1.2
Low-end servers	3.7	3.4	3.3	3.2	3.0	2.9
Standard Intel servers	2.6	2.3	2.2	2.1	2.0	2.0
Other low-end servers	1.1	1.1	1.1	1.1	1.0	0.9
Personal computers	27.0	27.6	26.6	25.5	24.5	23.9
Traditional workstations	0.4	0.4	0.3	0.3	0.2	0.2
Systems total	32.9	33.0	31.9	30.6	29.2	28.4
Storage						
Disk systems	2.3	2.2	2.6	2.8	2.8	3.0
Tape	0.6	0.5	0.6	0.6	0.6	0.6
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	3.0	2.7	3.2	3.4	3.5	3.6
Peripherals						
Printers	6.3	5.4	4.5	4.3	5.0	4.6
Smart handheld devices	0.4	0.5	0.6	0.6	0.6	0.6
Other add-ons	0.5	0.6	0.6	0.7	0.7	0.7
Peripherals total	7.2	6.6	5.7	5.6	6.3	5.9
Networking equipment	9.7	8.8	9.1	9.4	10.2	10.2
Hardware total	52.8	51.1	49.8	49.0	49.2	48.1
Packaged software total	12.2	12.3	12.6	12.6	12.3	12.2
Services total	35.0	36.6	37.6	38.4	38.5	39.7
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 372

Colombia Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.0	8.2	8.2	8.2	8.2	8.3
Implementation	5.4	6.4	6.4	6.3	6.3	6.3
Support services	5.4	5.8	5.8	5.7	5.7	5.6
Operations management	4.7	5.3	5.2	5.1	5.1	5.0
Training and education	5.3	6.1	6.4	6.5	6.5	6.5
Services total	5.4	6.1	6.1	6.0	6.0	6.0
Packaged software						
System infrastructure software	3.3	3.7	3.8	3.8	3.8	3.9
Appl. development and deployment	3.7	4.0	4.1	4.2	4.3	4.3
Applications	7.7	8.3	8.5	8.7	8.9	9.0
Packaged software total	5.0	5.5	5.6	5.7	5.9	6.0
Hardware						
Systems						
High-end servers	0.6	1.2	1.1	1.4	1.0	1.0
Midrange servers	5.2	5.1	5.3	5.5	5.5	5.5
Low-end servers	5.6	6.1	6.0	5.9	5.8	5.6
Standard Intel servers	5.7	5.6	5.4	5.2	5.0	4.9
Other low-end servers	5.4	7.6	7.9	8.1	8.1	7.7
Personal computers	4.6	5.3	5.2	5.1	5.0	4.8
Traditional workstations	3.2	3.9	4.0	4.0	4.0	4.3
Systems total	4.5	5.2	5.1	5.0	4.9	4.8
Storage						
Disk systems	5.0	4.5	4.7	4.6	4.6	4.6
Tape	4.6	4.2	4.5	4.6	4.7	4.8
Fibre Channel	5.0	4.4	4.5	4.4	4.3	4.3
Storage total	4.9	4.5	4.7	4.6	4.6	4.7
Peripherals						
Printers	6.0	6.5	5.7	5.4	6.4	5.8
Smart handheld devices	2.4	2.7	2.6	2.5	2.6	2.5
Other add-ons	4.6	5.3	5.2	5.1	5.0	4.8
Peripherals total	5.4	5.8	5.1	4.8	5.4	4.9
Networking equipment	6.3	6.2	6.4	6.9	7.9	8.0
Hardware total	4.9	5.4	5.3	5.2	5.4	5.2
Packaged software total	5.0	5.5	5.6	5.7	5.9	6.0
Services total	5.4	6.1	6.1	6.0	6.0	6.0
Total IT	5.1	5.6	5.6	5.6	5.7	5.6

Source: IDC, June 2002

Table 373
Colombia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.1	0.1	0.2	0.2	0.2	0.2
Support services	0.2	0.2	0.1	0.1	0.1	0.1
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.0
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.1	0.0	0.0
Midrange servers	0.2	0.2	0.2	0.2	0.1	0.1
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.2	0.2	0.2	0.2
Other low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Personal computers	0.2	0.3	0.3	0.3	0.3	0.3
Traditional workstations	0.1	0.2	0.2	0.2	0.2	0.2
Systems total	0.2	0.2	0.2	0.2	0.2	0.3
Storage						
Disk systems	0.1	0.1	0.2	0.2	0.2	0.2
Tape	0.2	0.2	0.2	0.2	0.2	0.2
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.1	0.1	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.4	0.3	0.3	0.3	0.4	0.4
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.2
Networking equipment	0.2	0.2	0.2	0.2	0.3	0.3
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 374
IT Spending in Mexico, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	292.0	303.8	319.8	344.3	365.9	401.1
Implementation	552.8	570.8	615.8	685.1	749.8	820.4
Support services	529.7	583.1	636.9	668.6	722.7	790.2
Operations management	343.0	379.2	409.7	436.7	481.0	539.0
Training and education	82.7	87.1	91.9	102.6	114.7	126.2
Services total	1,800.3	1,924.1	2,074.0	2,237.4	2,434.1	2,676.8
Packaged software						
System infrastructure software	98.0	104.4	113.5	122.4	131.0	140.2
Appl. development and deployment	227.8	226.9	222.1	230.6	242.2	254.1
Applications	320.0	336.0	346.8	354.7	358.6	362.9
Packaged software total	645.8	667.3	682.3	707.8	731.9	757.2
Hardware						
Systems						
High-end servers	47.3	43.5	58.7	64.6	71.6	77.9
Midrange servers	111.3	120.3	127.8	131.0	144.3	165.8
Low-end servers	181.4	194.6	207.5	229.1	259.7	302.1
Standard Intel servers	119.8	138.3	154.8	179.0	212.3	256.8
Other low-end servers	61.6	56.4	52.7	50.1	47.4	45.3
Personal computers	2,366.2	2,541.9	2,647.0	2,910.1	3,284.7	3,699.3
Traditional workstations	15.6	12.4	10.2	8.9	7.8	3.8
Systems total	2,721.8	2,912.7	3,051.2	3,343.7	3,768.1	4,248.9
Storage						
Disk systems	88.9	117.3	141.8	165.5	193.1	223.2
Tape	22.5	27.9	32.6	36.8	41.5	46.3
Fibre Channel	1.1	1.5	1.8	2.0	2.4	2.7
Storage total	112.5	146.7	176.2	204.4	236.9	272.2
Peripherals						
Printers	357.4	307.7	308.5	344.2	398.2	458.1
Smart handheld devices	87.2	101.0	127.7	152.4	166.0	187.6
Other add-ons	47.3	56.4	64.6	77.4	94.6	114.7
Peripherals total	491.9	465.1	500.8	574.0	658.8	760.4
Networking equipment	405.6	412.0	441.3	484.5	529.1	580.2
Hardware total	3,731.7	3,936.4	4,169.5	4,606.6	5,193.0	5,861.6
Packaged software total	645.8	667.3	682.3	707.8	731.9	757.2
Services total	1,800.3	1,924.1	2,074.0	2,237.4	2,434.1	2,676.8
Total IT	6,177.8	6,527.8	6,925.9	7,551.8	8,359.0	9,295.7

Source: IDC, June 2002

Table 375

Growth in IT Spending in Mexico, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	4.1	5.2	7.7	6.3	9.6	7.2
Implementation	3.3	7.9	11.3	9.4	9.4	9.5
Support services	10.1	9.2	5.0	8.1	9.3	7.9
Operations management	10.5	8.1	6.6	10.1	12.1	9.2
Training and education	5.4	5.5	11.6	11.8	10.0	9.7
Services total	6.9	7.8	7.9	8.8	10.0	8.6
Packaged software						
System infrastructure software	6.5	8.7	7.9	7.0	7.0	7.6
Appl. development and deployment	-0.4	-2.1	3.8	5.0	4.9	2.9
Applications	5.0	3.2	2.3	1.1	1.2	1.9
Packaged software total	3.3	2.3	3.7	3.4	3.5	3.2
Hardware						
Systems						
High-end servers	-8.0	35.1	10.0	10.8	8.9	15.7
Midrange servers	8.1	6.2	2.5	10.2	14.9	8.3
Low-end servers	7.3	6.6	10.4	13.3	16.3	11.6
Standard Intel servers	15.5	11.9	15.7	18.6	21.0	16.7
Other low-end servers	-8.5	-6.4	-5.0	-5.3	-4.6	-5.3
Personal computers	7.4	4.1	9.9	12.9	12.6	9.8
Traditional workstations	-20.8	-17.5	-12.6	-12.4	-51.6	-25.6
Systems total	7.0	4.8	9.6	12.7	12.8	9.9
Storage						
Disk systems	32.0	20.9	16.7	16.7	15.6	17.4
Tape	23.9	17.0	12.9	12.7	11.6	13.5
Fibre Channel	30.4	20.1	16.0	15.9	14.9	16.7
Storage total	30.4	20.1	16.0	15.9	14.9	16.7
Peripherals						
Printers	-13.9	0.2	11.6	15.7	15.1	10.5
Smart handheld devices	15.9	26.5	19.3	8.9	13.0	16.8
Other add-ons	19.2	14.5	19.9	22.2	21.2	19.4
Peripherals total	-5.4	7.7	14.6	14.8	15.4	13.1
Networking equipment	1.6	7.1	9.8	9.2	9.6	8.9
Hardware total	5.5	5.9	10.5	12.7	12.9	10.5
Packaged software total	3.3	2.3	3.7	3.4	3.5	3.2
Services total	6.9	7.8	7.9	8.8	10.0	8.6
Total IT	5.7	6.1	9.0	10.7	11.2	9.2

Source: IDC, June 2002

Table 376
Proportions of IT Spending Categories in Mexico, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.7	4.7	4.6	4.6	4.4	4.3
Implementation	8.9	8.7	8.9	9.1	9.0	8.8
Support services	8.6	8.9	9.2	8.9	8.6	8.5
Operations management	5.6	5.8	5.9	5.8	5.8	5.8
Training and education	1.3	1.3	1.3	1.4	1.4	1.4
Services total	29.1	29.5	29.9	29.6	29.1	28.8
Packaged software						
System infrastructure software	1.6	1.6	1.6	1.6	1.6	1.5
Appl. development and deployment	3.7	3.5	3.2	3.1	2.9	2.7
Applications	5.2	5.1	5.0	4.7	4.3	3.9
Packaged software total	10.5	10.2	9.9	9.4	8.8	8.1
Hardware						
Systems						
High-end servers	0.8	0.7	0.8	0.9	0.9	0.8
Midrange servers	1.8	1.8	1.8	1.7	1.7	1.8
Low-end servers	2.9	3.0	3.0	3.0	3.1	3.2
Standard Intel servers	1.9	2.1	2.2	2.4	2.5	2.8
Other low-end servers	1.0	0.9	0.8	0.7	0.6	0.5
Personal computers	38.3	38.9	38.2	38.5	39.3	39.8
Traditional workstations	0.3	0.2	0.1	0.1	0.1	0.0
Systems total	44.1	44.6	44.1	44.3	45.1	45.7
Storage						
Disk systems	1.4	1.8	2.0	2.2	2.3	2.4
Tape	0.4	0.4	0.5	0.5	0.5	0.5
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	1.8	2.2	2.5	2.7	2.8	2.9
Peripherals						
Printers	5.8	4.7	4.5	4.6	4.8	4.9
Smart handheld devices	1.4	1.5	1.8	2.0	2.0	2.0
Other add-ons	0.8	0.9	0.9	1.0	1.1	1.2
Peripherals total	8.0	7.1	7.2	7.6	7.9	8.2
Networking equipment	6.6	6.3	6.4	6.4	6.3	6.2
Hardware total	60.4	60.3	60.2	61.0	62.1	63.1
Packaged software total	10.5	10.2	9.9	9.4	8.8	8.1
Services total	29.1	29.5	29.9	29.6	29.1	28.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 377

Mexico Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	25.7	27.9	25.9	24.5	23.2	22.6
Implementation	21.5	23.9	22.7	22.2	21.6	21.1
Support services	20.3	22.2	22.2	21.5	21.4	21.5
Operations management	12.6	13.6	12.7	11.8	11.3	11.1
Training and education	22.9	23.6	22.2	21.5	21.2	20.8
Services total	19.2	20.8	19.8	19.0	18.4	18.1
Packaged software						
System infrastructure software	11.6	12.9	12.8	12.7	12.8	13.0
Appl. development and deployment	15.7	15.8	14.7	14.4	14.3	14.3
Applications	25.9	27.3	25.6	24.0	22.6	21.4
Packaged software total	18.3	19.2	18.2	17.5	17.0	16.6
Hardware						
Systems						
High-end servers	9.7	11.4	14.6	16.1	18.0	19.4
Midrange servers	25.4	29.2	30.0	30.0	31.4	33.7
Low-end servers	19.1	22.5	22.3	22.9	24.2	26.0
Standard Intel servers	18.0	21.5	22.3	23.8	25.9	28.5
Other low-end servers	21.6	25.3	22.3	20.4	18.7	17.3
Personal computers	27.8	31.5	31.0	31.6	32.6	33.5
Traditional workstations	8.7	8.7	7.7	7.4	6.6	3.7
Systems total	25.8	29.5	29.3	29.9	31.1	32.2
Storage						
Disk systems	13.1	15.8	15.4	15.1	15.3	15.7
Tape	12.2	14.6	14.7	14.9	15.6	16.3
Fibre Channel	13.1	15.4	14.8	14.4	14.4	14.6
Storage total	12.9	15.5	15.2	15.1	15.4	15.8
Peripherals						
Printers	23.8	23.8	23.4	23.5	24.8	26.0
Smart handheld devices	34.8	35.1	35.0	34.3	32.6	33.0
Other add-ons	27.8	31.5	31.0	31.6	32.6	33.5
Peripherals total	25.6	26.5	26.5	26.6	27.4	28.4
Networking equipment	18.2	19.0	18.7	19.2	19.8	20.5
Hardware total	23.9	26.7	26.3	26.8	27.7	28.7
Packaged software total	18.3	19.2	18.2	17.5	17.0	16.6
Services total	19.2	20.8	19.8	19.0	18.4	18.1
Total IT	21.7	23.8	23.0	22.9	23.0	23.4

Source: IDC, June 2002

Table 378
Mexico Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.6	0.6	0.5	0.5
Implementation	0.6	0.5	0.5	0.5	0.5	0.5
Support services	0.6	0.6	0.6	0.6	0.5	0.5
Operations management	0.2	0.2	0.2	0.2	0.2	0.2
Training and education	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.2	0.2	0.2	0.2	0.2	0.2
Appl. development and deployment	0.5	0.5	0.4	0.4	0.4	0.3
Applications	0.4	0.4	0.4	0.3	0.3	0.3
Packaged software total	0.4	0.4	0.3	0.3	0.3	0.2
Hardware						
Systems						
High-end servers	0.4	0.5	0.6	0.7	0.7	0.8
Midrange servers	0.8	0.9	0.9	0.8	0.8	0.9
Low-end servers	0.6	0.6	0.6	0.7	0.7	0.8
Standard Intel servers	0.6	0.7	0.7	0.7	0.8	0.9
Other low-end servers	0.6	0.6	0.5	0.5	0.5	0.5
Personal computers	1.4	1.7	1.7	1.7	1.9	2.0
Traditional workstations	0.4	0.4	0.3	0.3	0.3	0.2
Systems total	1.2	1.4	1.4	1.4	1.6	1.7
Storage						
Disk systems	0.3	0.5	0.5	0.6	0.6	0.7
Tape	0.6	0.7	0.8	0.8	0.8	0.8
Fibre Channel	0.1	0.1	0.0	0.0	0.0	0.0
Storage total	0.4	0.5	0.5	0.5	0.6	0.6
Peripherals						
Printers	1.4	1.2	1.2	1.3	1.5	1.7
Smart handheld devices	1.4	1.4	1.5	1.5	1.4	1.4
Other add-ons	0.4	0.5	0.5	0.6	0.7	0.8
Peripherals total	1.1	1.1	1.1	1.2	1.3	1.4
Networking equipment	0.7	0.7	0.7	0.7	0.7	0.7
Hardware total	1.0	1.1	1.2	1.2	1.3	1.3
Packaged software total	0.4	0.4	0.3	0.3	0.3	0.2
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Total IT	0.7	0.7	0.6	0.6	0.6	0.7

Source: IDC, June 2002

Table 379
IT Spending in the Rest of Latin America, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	79.5	69.7	78.5	89.3	100.5	113.2
Implementation	127.4	142.5	161.4	184.6	208.1	232.9
Support services	135.3	157.4	172.9	188.8	205.9	224.2
Operations management	178.1	143.5	163.0	186.9	215.2	250.4
Training and education	18.8	24.3	27.3	31.6	36.0	40.4
Services total	539.2	537.4	603.1	681.1	765.8	861.0
Packaged software						
System infrastructure software	63.2	66.5	72.6	78.8	85.0	91.2
Appl. development and deployment	114.4	128.6	138.9	153.6	166.0	178.9
Applications	40.3	44.3	48.5	52.6	56.7	60.2
Packaged software total	217.9	239.3	260.0	285.0	307.7	330.3
Hardware						
Systems						
High-end servers	37.3	37.0	36.1	35.2	34.4	33.5
Midrange servers	50.2	52.6	55.2	57.7	60.2	62.9
Low-end servers	154.3	165.5	179.5	192.7	206.4	221.0
Standard Intel servers	120.5	130.7	144.0	156.3	169.1	183.0
Other low-end servers	33.8	34.8	35.5	36.4	37.2	38.0
Personal computers	1,111.9	1,113.1	1,131.4	1,225.9	1,339.0	1,460.7
Traditional workstations	27.2	24.3	22.9	23.0	23.0	22.0
Systems total	1,380.9	1,392.6	1,425.1	1,534.4	1,662.9	1,800.1
Storage						
Disk systems	105.3	111.7	147.1	176.8	205.3	233.9
Tape	26.6	26.5	33.8	39.3	44.1	48.5
Fibre Channel	1.3	1.4	1.8	2.2	2.5	2.9
Storage total	133.2	139.7	182.7	218.2	252.0	285.2
Peripherals						
Printers	222.5	225.6	227.5	247.3	269.9	303.7
Smart handheld devices	12.4	16.2	20.1	23.8	27.9	30.2
Other add-ons	8.4	7.3	7.9	7.7	8.1	8.9
Peripherals total	243.2	249.0	255.5	278.8	305.9	342.9
Networking equipment	311.6	315.2	343.5	358.5	371.1	392.2
Hardware total	2,069.0	2,096.5	2,206.9	2,390.0	2,591.9	2,820.3
Packaged software total	217.9	239.3	260.0	285.0	307.7	330.3
Services total	539.2	537.4	603.1	681.1	765.8	861.0
Total IT	2,826.1	2,873.2	3,070.0	3,356.1	3,665.3	4,011.6

Source: IDC, June 2002

Table 380
Growth in IT Spending in the Rest of Latin America, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	-12.4	12.6	13.8	12.6	12.6	12.9
Implementation	11.8	13.2	14.4	12.8	11.9	13.1
Support services	16.3	9.9	9.2	9.1	8.9	9.2
Operations management	-19.4	13.6	14.6	15.2	16.3	14.9
Training and education	29.4	12.3	15.8	13.7	12.2	13.5
Services total	-0.3	12.2	12.9	12.4	12.4	12.5
Packaged software						
System infrastructure software	5.2	9.2	8.5	7.9	7.3	8.2
Appl. development and deployment	12.4	8.0	10.5	8.1	7.8	8.6
Applications	9.8	9.5	8.6	7.7	6.1	8.0
Packaged software total	9.8	8.6	9.6	8.0	7.3	8.4
Hardware						
Systems						
High-end servers	-0.8	-2.5	-2.5	-2.3	-2.5	-2.4
Midrange servers	4.9	4.9	4.4	4.4	4.4	4.6
Low-end servers	7.3	8.5	7.3	7.1	7.1	7.5
Standard Intel servers	8.5	10.1	8.5	8.2	8.2	8.8
Other low-end servers	3.0	2.1	2.4	2.2	2.1	2.2
Personal computers	0.1	1.6	8.3	9.2	9.1	7.0
Traditional workstations	-10.4	-6.1	0.7	-0.2	-4.2	-2.5
Systems total	0.8	2.3	7.7	8.4	8.3	6.6
Storage						
Disk systems	6.1	31.6	20.2	16.2	13.9	20.3
Tape	-0.4	27.4	16.2	12.3	10.0	16.3
Fibre Channel	4.8	30.8	19.4	15.5	13.2	19.5
Storage total	4.8	30.8	19.4	15.5	13.2	19.5
Peripherals						
Printers	1.4	0.8	8.7	9.2	12.5	7.7
Smart handheld devices	31.2	24.0	18.4	17.2	8.5	16.9
Other add-ons	-13.4	9.0	-2.6	5.2	9.9	5.3
Peripherals total	2.4	2.6	9.1	9.7	12.1	8.3
Networking equipment	1.1	9.0	4.4	3.5	5.7	5.6
Hardware total	1.3	5.3	8.3	8.4	8.8	7.7
Packaged software total	9.8	8.6	9.6	8.0	7.3	8.4
Services total	-0.3	12.2	12.9	12.4	12.4	12.5
Total IT	1.7	6.8	9.3	9.2	9.4	8.7

Source: IDC, June 2002

Table 381
Proportions of IT Spending Categories in the Rest of Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.8	2.4	2.6	2.7	2.7	2.8
Implementation	4.5	5.0	5.3	5.5	5.7	5.8
Support services	4.8	5.5	5.6	5.6	5.6	5.6
Operations management	6.3	5.0	5.3	5.6	5.9	6.2
Training and education	0.7	0.8	0.9	0.9	1.0	1.0
Services total	19.1	18.7	19.6	20.3	20.9	21.5
Packaged software						
System infrastructure software	2.2	2.3	2.4	2.3	2.3	2.3
Appl. development and deployment	4.0	4.5	4.5	4.6	4.5	4.5
Applications	1.4	1.5	1.6	1.6	1.5	1.5
Packaged software total	7.7	8.3	8.5	8.5	8.4	8.2
Hardware						
Systems						
High-end servers	1.3	1.3	1.2	1.0	0.9	0.8
Midrange servers	1.8	1.8	1.8	1.7	1.6	1.6
Low-end servers	5.5	5.8	5.8	5.7	5.6	5.5
Standard Intel servers	4.3	4.6	4.7	4.7	4.6	4.6
Other low-end servers	1.2	1.2	1.2	1.1	1.0	0.9
Personal computers	39.3	38.7	36.9	36.5	36.5	36.4
Traditional workstations	1.0	0.8	0.7	0.7	0.6	0.5
Systems total	48.9	48.5	46.4	45.7	45.4	44.9
Storage						
Disk systems	3.7	3.9	4.8	5.3	5.6	5.8
Tape	0.9	0.9	1.1	1.2	1.2	1.2
Fibre Channel	0.0	0.0	0.1	0.1	0.1	0.1
Storage total	4.7	4.9	6.0	6.5	6.9	7.1
Peripherals						
Printers	7.9	7.9	7.4	7.4	7.4	7.6
Smart handheld devices	0.4	0.6	0.7	0.7	0.8	0.8
Other add-ons	0.3	0.3	0.3	0.2	0.2	0.2
Peripherals total	8.6	8.7	8.3	8.3	8.3	8.5
Networking equipment	11.0	11.0	11.2	10.7	10.1	9.8
Hardware total	73.2	73.0	71.9	71.2	70.7	70.3
Packaged software total	7.7	8.3	8.5	8.5	8.4	8.2
Services total	19.1	18.7	19.6	20.3	20.9	21.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 382

Rest of Latin America Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.0	6.4	6.3	6.4	6.4	6.4
Implementation	5.0	6.0	6.0	6.0	6.0	6.0
Support services	5.2	6.0	6.0	6.1	6.1	6.1
Operations management	6.5	5.1	5.0	5.0	5.1	5.1
Training and education	5.2	6.6	6.6	6.6	6.6	6.7
Services total	5.7	5.8	5.8	5.8	5.8	5.8
Packaged software						
System infrastructure software	7.5	8.2	8.2	8.2	8.3	8.4
Appl. development and deployment	7.9	9.0	9.2	9.6	9.8	10.0
Applications	3.3	3.6	3.6	3.6	3.6	3.6
Packaged software total	6.2	6.9	6.9	7.1	7.1	7.2
Hardware						
Systems						
High-end servers	7.6	9.7	9.0	8.8	8.6	8.4
Midrange servers	11.4	12.8	12.9	13.2	13.1	12.8
Low-end servers	16.2	19.1	19.3	19.3	19.2	19.0
Standard Intel servers	18.1	20.3	20.7	20.7	20.6	20.3
Other low-end servers	11.8	15.6	15.0	14.8	14.7	14.5
Personal computers	13.1	13.8	13.2	13.3	13.3	13.2
Traditional workstations	15.1	17.2	17.4	19.1	19.3	21.3
Systems total	13.1	14.1	13.7	13.7	13.7	13.6
Storage						
Disk systems	15.5	15.0	15.9	16.1	16.3	16.4
Tape	14.4	13.9	15.3	15.9	16.5	17.1
Fibre Channel	15.6	14.6	15.3	15.3	15.3	15.3
Storage total	15.2	14.8	15.8	16.1	16.3	16.5
Peripherals						
Printers	14.8	17.5	17.2	16.9	16.8	17.2
Smart handheld devices	4.9	5.6	5.5	5.4	5.5	5.3
Other add-ons	4.9	4.1	3.8	3.1	2.8	2.6
Peripherals total	12.6	14.2	13.5	12.9	12.7	12.8
Networking equipment	14.0	14.5	14.5	14.2	13.9	13.8
Hardware total	13.3	14.2	13.9	13.9	13.8	13.8
Packaged software total	6.2	6.9	6.9	7.1	7.1	7.2
Services total	5.7	5.8	5.8	5.8	5.8	5.8
Total IT	9.9	10.5	10.2	10.2	10.1	10.1

Source: IDC, June 2002

Table 383
Rest of Latin America Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.1	0.1	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.3	0.3	0.3	0.3	0.2	0.2
Applications	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.4	0.4	0.4	0.4	0.4	0.3
Midrange servers	0.4	0.4	0.4	0.4	0.3	0.3
Low-end servers	0.5	0.5	0.5	0.6	0.6	0.6
Standard Intel servers	0.6	0.6	0.6	0.6	0.6	0.6
Other low-end servers	0.3	0.3	0.3	0.4	0.4	0.4
Personal computers	0.7	0.7	0.7	0.7	0.8	0.8
Traditional workstations	0.7	0.7	0.8	0.9	1.0	1.0
Systems total	0.6	0.7	0.7	0.7	0.7	0.7
Storage						
Disk systems	0.4	0.4	0.5	0.6	0.7	0.7
Tape	0.7	0.6	0.8	0.8	0.8	0.9
Fibre Channel	0.1	0.0	0.0	0.0	0.0	0.0
Storage total	0.4	0.4	0.5	0.6	0.6	0.6
Peripherals						
Printers	0.9	0.9	0.9	0.9	1.0	1.1
Smart handheld devices	0.2	0.2	0.2	0.2	0.2	0.2
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.5	0.6	0.6	0.6	0.6	0.6
Networking equipment	0.5	0.6	0.6	0.5	0.5	0.5
Hardware total	0.6	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.3	0.3	0.3	0.3	0.3	0.3

Source: IDC, June 2002

Table 384
IT Spending in Venezuela, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	86.8	80.1	88.8	99.4	110.6	124.6
Implementation	121.8	111.4	124.3	139.2	157.4	177.8
Support services	149.3	137.2	153.0	171.4	190.5	211.5
Operations management	246.3	236.0	274.0	316.0	355.9	404.7
Training and education	21.0	19.4	21.4	23.7	26.5	29.1
Services total	625.2	584.0	661.4	749.7	840.9	947.7
Packaged software						
System infrastructure software	40.8	44.0	48.9	53.5	58.2	63.0
Appl. development and deployment	74.4	82.1	89.9	97.2	105.0	112.5
Applications	87.3	92.6	100.3	109.3	117.4	124.8
Packaged software total	202.5	218.7	239.1	260.0	280.5	300.4
Hardware						
Systems						
High-end servers	15.4	8.2	4.6	3.4	2.1	2.1
Midrange servers	15.5	20.7	21.0	22.5	23.8	25.2
Low-end servers	38.9	34.8	35.7	38.2	40.8	43.5
Standard Intel servers	28.3	26.2	26.7	28.2	29.7	31.2
Other low-end servers	10.7	8.6	9.0	10.0	11.1	12.3
Personal computers	419.4	327.2	324.5	290.0	281.9	287.9
Traditional workstations	18.1	10.8	8.1	5.9	4.4	2.2
Systems total	507.4	401.7	393.9	360.0	353.0	360.8
Storage						
Disk systems	34.1	37.1	47.9	57.4	67.6	77.9
Tape	8.6	8.8	11.0	12.8	14.5	16.1
Fibre Channel	0.4	0.5	0.6	0.7	0.8	0.9
Storage total	43.2	46.4	59.5	70.9	82.9	94.9
Peripherals						
Printers	60.3	62.7	66.6	71.1	78.3	82.1
Smart handheld devices	5.6	7.4	9.1	10.7	12.4	13.4
Other add-ons	22.2	24.7	27.6	32.6	38.6	45.3
Peripherals total	88.2	94.8	103.3	114.4	129.3	140.8
Networking equipment	96.1	70.7	76.2	84.3	93.9	107.9
Hardware total	734.9	613.5	632.9	629.6	659.1	704.5
Packaged software total	202.5	218.7	239.1	260.0	280.5	300.4
Services total	625.2	584.0	661.4	749.7	840.9	947.7
Total IT	1,562.6	1,416.3	1,533.4	1,639.3	1,780.6	1,952.6

Source: IDC, June 2002

Table 385
Growth in IT Spending in Venezuela, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	-7.8	10.9	12.0	11.3	12.6	11.7
Implementation	-8.5	11.5	12.0	13.1	13.0	12.4
Support services	-8.1	11.5	12.0	11.1	11.0	11.4
Operations management	-4.2	16.1	15.3	12.6	13.7	14.4
Training and education	-7.9	10.5	10.5	12.2	9.8	10.7
Services total	-6.6	13.3	13.3	12.2	12.7	12.9
Packaged software						
System infrastructure software	7.9	11.1	9.4	8.8	8.3	9.4
Appl. development and deployment	10.3	9.5	8.1	8.0	7.2	8.2
Applications	6.1	8.3	9.0	7.3	6.3	7.7
Packaged software total	8.0	9.3	8.7	7.9	7.1	8.3
Hardware						
Systems						
High-end servers	-46.7	-44.0	-26.7	-37.7	–	-28.9
Midrange servers	32.9	1.6	7.1	6.0	5.7	5.1
Low-end servers	-10.6	2.6	7.1	6.8	6.6	5.7
Standard Intel servers	-7.2	1.9	5.6	5.2	5.2	4.5
Other low-end servers	-19.7	4.6	11.4	11.3	10.4	9.4
Personal computers	-22.0	-0.8	-10.6	-2.8	2.1	-3.1
Traditional workstations	-40.2	-25.4	-27.3	-25.4	-50.4	-33.0
Systems total	-20.8	-2.0	-8.6	-1.9	2.2	-2.6
Storage						
Disk systems	8.7	29.0	20.0	17.7	15.2	20.3
Tape	2.0	24.8	16.0	13.7	11.2	16.3
Fibre Channel	7.4	28.2	19.2	16.9	14.5	19.6
Storage total	7.4	28.2	19.2	16.9	14.5	19.6
Peripherals						
Printers	3.9	6.3	6.8	10.1	4.9	7.0
Smart handheld devices	30.8	23.3	17.7	16.5	7.7	16.1
Other add-ons	11.1	11.7	18.1	18.3	17.4	16.3
Peripherals total	7.4	9.0	10.8	13.0	8.9	10.4
Networking equipment	-26.5	7.9	10.6	11.4	14.9	11.2
Hardware total	-16.5	3.2	-0.5	4.7	6.9	3.5
Packaged software total	8.0	9.3	8.7	7.9	7.1	8.3
Services total	-6.6	13.3	13.3	12.2	12.7	12.9
Total IT	-9.4	8.3	6.9	8.6	9.7	8.4

Source: IDC, June 2002

Table 386
Proportions of IT Spending Categories in Venezuela, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	5.6	5.7	5.8	6.1	6.2	6.4
Implementation	7.8	7.9	8.1	8.5	8.8	9.1
Support services	9.6	9.7	10.0	10.5	10.7	10.8
Operations management	15.8	16.7	17.9	19.3	20.0	20.7
Training and education	1.3	1.4	1.4	1.4	1.5	1.5
Services total	40.0	41.2	43.1	45.7	47.2	48.5
Packaged software						
System infrastructure software	2.6	3.1	3.2	3.3	3.3	3.2
Appl. development and deployment	4.8	5.8	5.9	5.9	5.9	5.8
Applications	5.6	6.5	6.5	6.7	6.6	6.4
Packaged software total	13.0	15.4	15.6	15.9	15.8	15.4
Hardware						
Systems						
High-end servers	1.0	0.6	0.3	0.2	0.1	0.1
Midrange servers	1.0	1.5	1.4	1.4	1.3	1.3
Low-end servers	2.5	2.5	2.3	2.3	2.3	2.2
Standard Intel servers	1.8	1.9	1.7	1.7	1.7	1.6
Other low-end servers	0.7	0.6	0.6	0.6	0.6	0.6
Personal computers	26.8	23.1	21.2	17.7	15.8	14.7
Traditional workstations	1.2	0.8	0.5	0.4	0.2	0.1
Systems total	32.5	28.4	25.7	22.0	19.8	18.5
Storage						
Disk systems	2.2	2.6	3.1	3.5	3.8	4.0
Tape	0.6	0.6	0.7	0.8	0.8	0.8
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	2.8	3.3	3.9	4.3	4.7	4.9
Peripherals						
Printers	3.9	4.4	4.3	4.3	4.4	4.2
Smart handheld devices	0.4	0.5	0.6	0.7	0.7	0.7
Other add-ons	1.4	1.7	1.8	2.0	2.2	2.3
Peripherals total	5.6	6.7	6.7	7.0	7.3	7.2
Networking equipment	6.1	5.0	5.0	5.1	5.3	5.5
Hardware total	47.0	43.3	41.3	38.4	37.0	36.1
Packaged software total	13.0	15.4	15.6	15.9	15.8	15.4
Services total	40.0	41.2	43.1	45.7	47.2	48.5
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 387
Venezuela Proportions of the IT Spending in Latin America, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	7.6	7.3	7.2	7.1	7.0	7.0
Implementation	4.7	4.7	4.6	4.5	4.5	4.6
Support services	5.7	5.2	5.3	5.5	5.6	5.8
Operations management	9.1	8.5	8.5	8.5	8.4	8.3
Training and education	5.8	5.3	5.2	5.0	4.9	4.8
Services total	6.7	6.3	6.3	6.4	6.4	6.4
Packaged software						
System infrastructure software	4.8	5.4	5.5	5.6	5.7	5.8
Appl. development and deployment	5.1	5.7	6.0	6.1	6.2	6.3
Applications	7.1	7.5	7.4	7.4	7.4	7.4
Packaged software total	5.7	6.3	6.4	6.4	6.5	6.6
Hardware						
Systems						
High-end servers	3.1	2.2	1.1	0.8	0.5	0.5
Midrange servers	3.5	5.0	4.9	5.1	5.2	5.1
Low-end servers	4.1	4.0	3.8	3.8	3.8	3.7
Standard Intel servers	4.2	4.1	3.8	3.7	3.6	3.5
Other low-end servers	3.7	3.9	3.8	4.1	4.4	4.7
Personal computers	4.9	4.1	3.8	3.1	2.8	2.6
Traditional workstations	10.1	7.7	6.2	4.9	3.7	2.1
Systems total	4.8	4.1	3.8	3.2	2.9	2.7
Storage						
Disk systems	5.0	5.0	5.2	5.2	5.4	5.5
Tape	4.7	4.6	5.0	5.2	5.4	5.7
Fibre Channel	5.0	4.9	5.0	5.0	5.0	5.1
Storage total	4.9	4.9	5.1	5.2	5.4	5.5
Peripherals						
Printers	4.0	4.9	5.0	4.9	4.9	4.7
Smart handheld devices	2.2	2.6	2.5	2.4	2.4	2.4
Other add-ons	13.1	13.8	13.2	13.3	13.3	13.2
Peripherals total	4.6	5.4	5.5	5.3	5.4	5.3
Networking equipment	4.3	3.3	3.2	3.3	3.5	3.8
Hardware total	4.7	4.2	4.0	3.7	3.5	3.4
Packaged software total	5.7	6.3	6.4	6.4	6.5	6.6
Services total	6.7	6.3	6.3	6.4	6.4	6.4
Total IT	5.5	5.2	5.1	5.0	4.9	4.9

Source: IDC, June 2002

Table 388
Venezuela Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.2	0.2	0.2	0.2	0.2	0.2
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.2	0.1	0.1	0.1	0.1	0.1
Operations management	0.2	0.1	0.1	0.2	0.2	0.2
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.2	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.2	0.2	0.2	0.2	0.2	0.2
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.1	0.1	0.0	0.0	0.0	0.0
Midrange servers	0.1	0.2	0.1	0.1	0.1	0.1
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Personal computers	0.2	0.2	0.2	0.2	0.2	0.2
Traditional workstations	0.5	0.3	0.3	0.2	0.2	0.1
Systems total	0.2	0.2	0.2	0.2	0.1	0.1
Storage						
Disk systems	0.1	0.1	0.2	0.2	0.2	0.2
Tape	0.2	0.2	0.3	0.3	0.3	0.3
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.1	0.1	0.2	0.2	0.2	0.2
Peripherals						
Printers	0.2	0.3	0.3	0.3	0.3	0.3
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.2	0.2	0.2	0.2	0.3	0.3
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.3
Networking equipment	0.2	0.1	0.1	0.1	0.1	0.1
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.2	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

The Middle East and Africa

The Middle East/Africa IT market had a difficult year in 2001. Spending fell 10.3% as a combination of economic and political factors curbed IT investment. Increased political and economic instability in Israel and the financial crisis in Turkey were particularly damaging. Regional instability in the wake of September's terrorist attacks also impeded IT spending as oil prices and tourism plummeted and planned foreign investments were put on hold.

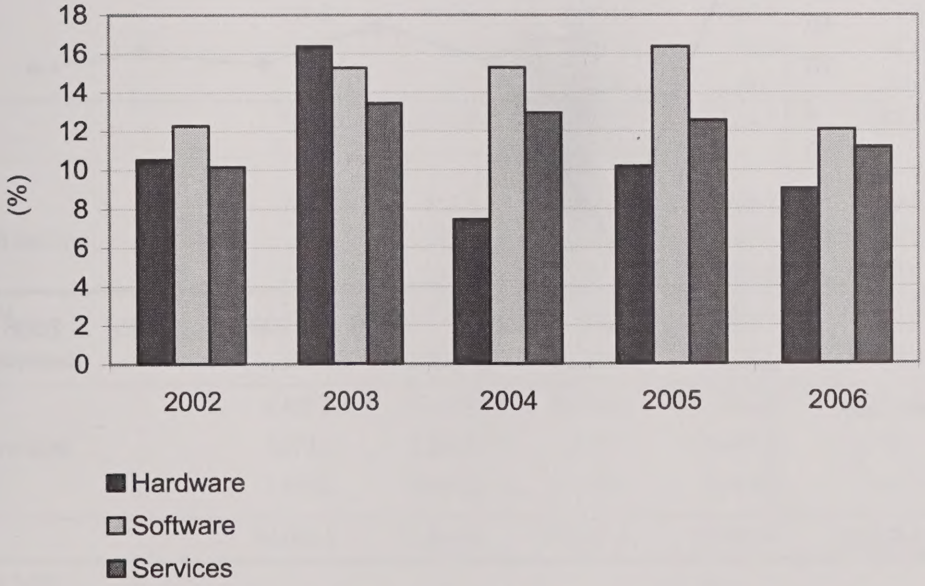
Escalating violence between Israel and the Palestinians has heightened tensions in the Middle East. However, a slowly improving economic climate across much of the region is expected to drive IT spending growth of 10.7% in 2002, fueled in part by a recovery in larger markets such as Turkey and South Africa. Over the medium term, IDC believes that the Middle East/Africa IT market represents a comparatively strong opportunity: Limited IT penetration throughout much of the region means that there is plenty of room for growth. Moreover, other factors are acting as a catalyst for IT development, including privatization, FDI inflows, and infrastructure-level and telecommunications sector reforms. Growth will also be boosted by the execution of egovernment initiatives.

Figures 19–21 show worldwide IT spending from 2000 to 2006.

Tables 389–432 show forecasts for Middle East/Africa IT spending from 2001 to 2006.

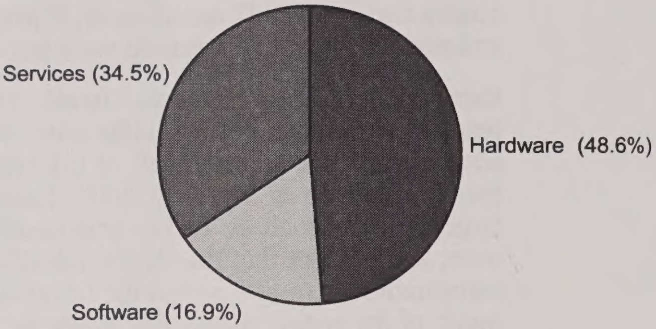
Figure 19

Middle East/Africa IT Spending Growth by Segment, 2002–2006



Source: IDC, June 2002

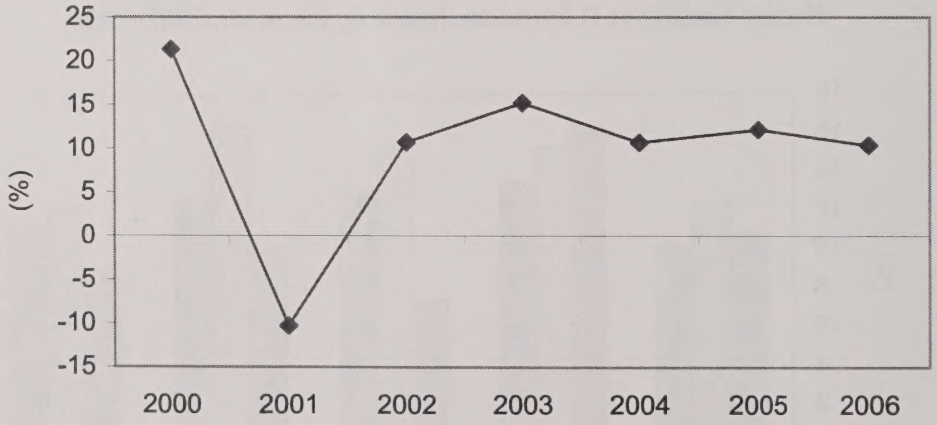
Figure 20
Middle East/Africa IT Spending Proportions by Segment, 2001



Total = $14.1B

Source: IDC, June 2002

Figure 21
Middle East/Africa IT Spending Growth, 2000–2006



Source: IDC, June 2002

Table 389
IT Spending in Middle East/Africa, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	587.3	652.2	744.4	843.5	961.4	1,082.4
Implementation	1,510.3	1,718.1	2,005.7	2,307.1	2,645.5	2,977.3
Support services	1,149.6	1,230.5	1,359.7	1,518.9	1,694.7	1,881.9
Operations management	1,371.6	1,503.8	1,697.0	1,909.4	2,120.5	2,333.2
Training and education	229.4	235.8	251.7	264.4	280.7	289.2
Services total	4,848.3	5,340.3	6,058.5	6,843.3	7,702.7	8,564.0
Packaged software						
System infrastructure software	601.4	667.2	765.2	883.5	1,021.3	1,150.4
Appl. development and deployment	487.3	540.7	615.8	702.8	819.2	923.4
Applications	1,285.1	1,457.5	1,691.7	1,956.5	2,281.8	2,546.5
Packaged software total	2,373.8	2,665.5	3,072.7	3,542.8	4,122.3	4,620.3
Hardware						
Systems						
High-end servers	90.9	90.0	94.8	110.6	131.4	121.8
Midrange servers	292.5	317.3	338.3	399.1	472.6	506.7
Low-end servers	790.4	818.3	899.8	996.0	1,084.7	1,207.2
Standard Intel servers	524.9	562.2	617.6	671.1	729.6	797.2
Other low-end servers	265.5	256.1	282.2	324.9	355.2	410.0
Personal computers	3,462.8	3,885.8	4,686.4	4,839.9	5,241.1	5,669.6
Traditional workstations	83.1	76.1	71.4	67.5	68.3	63.0
Systems total	4,719.7	5,187.5	6,090.7	6,413.1	6,998.1	7,568.2
Storage						
Disk systems	119.3	100.0	105.0	139.0	178.0	213.7
Tape	9.8	9.4	10.1	14.0	18.4	18.8
Fibre Channel	3.4	6.1	8.8	12.0	15.7	20.3
Storage total	132.5	115.5	123.9	165.0	212.1	252.8
Peripherals						
Printers	720.3	759.9	810.9	859.6	929.9	988.5
Smart handheld devices	97.8	142.9	213.4	265.6	319.2	387.4
Other add-ons	224.5	257.1	287.7	328.2	372.2	412.3
Peripherals total	1,042.6	1,160.0	1,312.0	1,453.4	1,621.2	1,788.1
Networking equipment	943.3	1,095.9	1,270.1	1,419.8	1,582.3	1,746.0
Hardware total	6,838.2	7,558.9	8,796.6	9,451.3	10,413.8	11,355.2
Packaged software total	2,373.8	2,665.5	3,072.7	3,542.8	4,122.3	4,620.3
Services total	4,848.3	5,340.3	6,058.5	6,843.3	7,702.7	8,564.0
Total IT	14,060.4	15,564.8	17,927.8	19,837.4	22,238.8	24,539.5

Source: IDC, June 2002

Table 390
Growth in IT Spending in Middle East/Africa, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.0	14.1	13.3	14.0	12.6	13.5
Implementation	13.8	16.7	15.0	14.7	12.5	14.7
Support services	7.0	10.5	11.7	11.6	11.0	11.2
Operations management	9.6	12.8	12.5	11.1	10.0	11.6
Training and education	2.8	6.8	5.0	6.2	3.0	5.2
Services total	10.1	13.4	13.0	12.6	11.2	12.5
Packaged software						
System infrastructure software	10.9	14.7	15.5	15.6	12.6	14.6
Appl. development and deployment	11.0	13.9	14.1	16.6	12.7	14.3
Applications	13.4	16.1	15.7	16.6	11.6	15.0
Packaged software total	12.3	15.3	15.3	16.4	12.1	14.7
Hardware						
Systems						
High-end servers	-1.0	5.3	16.7	18.8	-7.3	7.8
Midrange servers	8.5	6.6	18.0	18.4	7.2	12.4
Low-end servers	3.5	10.0	10.7	8.9	11.3	10.2
Standard Intel servers	7.1	9.9	8.7	8.7	9.3	9.1
Other low-end servers	-3.5	10.2	15.2	9.3	15.4	12.5
Personal computers	12.2	20.6	3.3	8.3	8.2	9.9
Traditional workstations	-8.5	-6.2	-5.4	1.1	-7.7	-4.6
Systems total	9.9	17.4	5.3	9.1	8.1	9.9
Storage						
Disk systems	-16.2	5.0	32.4	28.1	20.0	20.9
Tape	-3.5	7.0	38.4	31.5	2.6	18.9
Fibre Channel	75.8	45.0	36.5	31.3	29.1	35.4
Storage total	-12.9	7.3	33.2	28.6	19.2	21.6
Peripherals						
Printers	5.5	6.7	6.0	8.2	6.3	6.8
Smart handheld devices	46.2	49.3	24.4	20.2	21.4	28.3
Other add-ons	14.5	11.9	14.1	13.4	10.8	12.5
Peripherals total	11.3	13.1	10.8	11.5	10.3	11.4
Networking equipment	16.2	15.9	11.8	11.4	10.3	12.3
Hardware total	10.5	16.4	7.4	10.2	9.0	10.7
Packaged software total	12.3	15.3	15.3	16.4	12.1	14.7
Services total	10.1	13.4	13.0	12.6	11.2	12.5
Total IT	10.7	15.2	10.7	12.1	10.3	12.1

Source: IDC, June 2002

Table 391
Proportions of IT Spending Categories in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.2	4.2	4.2	4.3	4.3	4.4
Implementation	10.7	11.0	11.2	11.6	11.9	12.1
Support services	8.2	7.9	7.6	7.7	7.6	7.7
Operations management	9.8	9.7	9.5	9.6	9.5	9.5
Training and education	1.6	1.5	1.4	1.3	1.3	1.2
Services total	34.5	34.3	33.8	34.5	34.6	34.9
Packaged software						
System infrastructure software	4.3	4.3	4.3	4.5	4.6	4.7
Appl. development and deployment	3.5	3.5	3.4	3.5	3.7	3.8
Applications	9.1	9.4	9.4	9.9	10.3	10.4
Packaged software total	16.9	17.1	17.1	17.9	18.5	18.8
Hardware						
Systems						
High-end servers	0.6	0.6	0.5	0.6	0.6	0.5
Midrange servers	2.1	2.0	1.9	2.0	2.1	2.1
Low-end servers	5.6	5.3	5.0	5.0	4.9	4.9
Standard Intel servers	3.7	3.6	3.4	3.4	3.3	3.2
Other low-end servers	1.9	1.6	1.6	1.6	1.6	1.7
Personal computers	24.6	25.0	26.1	24.4	23.6	23.1
Traditional workstations	0.6	0.5	0.4	0.3	0.3	0.3
Systems total	33.6	33.3	34.0	32.3	31.5	30.8
Storage						
Disk systems	0.8	0.6	0.6	0.7	0.8	0.9
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.1	0.1	0.1
Storage total	0.9	0.7	0.7	0.8	1.0	1.0
Peripherals						
Printers	5.1	4.9	4.5	4.3	4.2	4.0
Smart handheld devices	0.7	0.9	1.2	1.3	1.4	1.6
Other add-ons	1.6	1.7	1.6	1.7	1.7	1.7
Peripherals total	7.4	7.5	7.3	7.3	7.3	7.3
Networking equipment	6.7	7.0	7.1	7.2	7.1	7.1
Hardware total	48.6	48.6	49.1	47.6	46.8	46.3
Packaged software total	16.9	17.1	17.1	17.9	18.5	18.8
Services total	34.5	34.3	33.8	34.5	34.6	34.9
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 392

Middle East/Africa Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.3	1.3	1.4	1.4	1.4	1.4
Implementation	1.6	1.7	1.8	1.8	1.9	1.9
Support services	1.2	1.2	1.2	1.3	1.3	1.3
Operations management	0.9	0.9	0.9	0.9	0.9	0.9
Training and education	0.9	0.8	0.8	0.8	0.7	0.7
Services total	1.2	1.2	1.2	1.2	1.3	1.3
Packaged software						
System infrastructure software	1.2	1.2	1.3	1.3	1.3	1.3
Appl. development and deployment	1.2	1.2	1.2	1.2	1.2	1.2
Applications	1.6	1.6	1.7	1.8	1.8	1.8
Packaged software total	1.4	1.4	1.5	1.5	1.5	1.5
Hardware						
Systems						
High-end servers	0.9	0.9	1.0	1.2	1.4	1.2
Midrange servers	2.1	2.4	2.3	2.5	2.7	2.7
Low-end servers	2.7	2.6	2.7	2.9	2.9	3.1
Standard Intel servers	2.7	2.7	2.8	2.7	2.7	2.7
Other low-end servers	2.7	2.5	2.7	3.3	3.6	4.2
Personal computers	2.0	2.5	2.9	2.9	3.0	3.1
Traditional workstations	2.1	2.3	2.4	2.5	2.9	3.0
Systems total	2.1	2.5	2.8	2.8	2.9	3.0
Storage						
Disk systems	0.5	0.4	0.4	0.5	0.6	0.7
Tape	0.2	0.2	0.2	0.3	0.4	0.3
Fibre Channel	0.2	0.2	0.2	0.2	0.2	0.2
Storage total	0.4	0.4	0.4	0.4	0.5	0.6
Peripherals						
Printers	2.8	3.0	3.2	3.3	3.5	3.6
Smart handheld devices	1.6	2.0	2.5	2.7	2.8	2.9
Other add-ons	1.8	2.2	2.3	2.4	2.6	2.7
Peripherals total	2.3	2.7	2.8	2.9	3.1	3.2
Networking equipment	1.7	1.9	2.0	2.0	2.1	2.1
Hardware total	1.9	2.2	2.4	2.4	2.5	2.6
Packaged software total	1.4	1.4	1.5	1.5	1.5	1.5
Services total	1.2	1.2	1.2	1.2	1.3	1.3
Total IT	1.5	1.6	1.7	1.7	1.7	1.7

Source: IDC, June 2002

Table 393
IT Spending in Egypt, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	17.3	17.0	17.8	19.4	21.6	20.9
Implementation	45.5	39.2	43.7	50.6	60.1	59.5
Support services	50.5	42.9	44.6	49.0	55.3	54.2
Operations management	23.3	20.1	20.8	22.4	24.7	23.7
Training and education	20.7	15.1	14.6	14.6	14.9	13.1
Services total	157.4	134.2	141.6	155.9	176.7	171.4
Packaged software						
System infrastructure software	25.8	28.1	32.2	35.7	40.4	45.6
Appl. development and deployment	21.9	23.4	26.0	28.1	31.6	35.1
Applications	78.1	89.8	101.8	119.4	139.4	160.6
Packaged software total	125.8	141.2	159.9	183.2	211.5	241.3
Hardware						
Systems						
High-end servers	7.8	6.6	5.5	4.7	4.3	3.8
Midrange servers	15.7	14.6	16.6	18.2	18.6	18.8
Low-end servers	22.6	20.7	21.7	22.7	23.7	23.2
Standard Intel servers	11.3	9.9	9.6	8.4	8.2	8.4
Other low-end servers	11.3	10.8	12.1	14.3	15.4	14.8
Personal computers	148.6	136.4	160.6	179.7	189.2	204.9
Traditional workstations	6.5	5.9	6.1	6.7	7.8	7.9
Systems total	201.2	184.3	210.5	232.0	243.5	258.5
Storage						
Disk systems	5.5	4.3	4.5	6.2	7.9	9.4
Tape	0.4	0.4	0.4	0.6	0.8	0.8
Fibre Channel	0.2	0.3	0.4	0.5	0.7	0.9
Storage total	6.1	4.9	5.3	7.3	9.4	11.1
Peripherals						
Printers	60.3	66.7	74.3	85.0	95.8	109.5
Smart handheld devices	4.2	5.0	7.3	9.9	11.5	14.0
Other add-ons	13.6	15.1	16.4	18.7	20.4	22.4
Peripherals total	78.1	86.8	98.1	113.6	127.7	146.0
Networking equipment	73.4	65.6	74.3	85.9	94.5	103.6
Hardware total	358.8	341.6	388.2	438.9	475.1	519.2
Packaged software total	125.8	141.2	159.9	183.2	211.5	241.3
Services total	157.4	134.2	141.6	155.9	176.7	171.4
Total IT	642.0	617.0	689.7	778.0	863.3	931.9

Source: IDC, June 2002

Table 394

Growth in IT Spending in Egypt, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	-2.0	5.0	8.7	11.8	-3.5	5.4
Implementation	-14.0	11.7	15.6	18.9	-1.0	11.0
Support services	-15.0	4.0	9.8	12.9	-2.1	6.0
Operations management	-14.0	3.8	7.4	10.5	-4.0	4.3
Training and education	-27.0	-3.5	-0.2	2.6	-12.1	-3.5
Services total	-14.7	5.5	10.1	13.4	-3.0	6.3
Packaged software						
System infrastructure software	9.2	14.4	11.1	13.2	12.7	12.8
Appl. development and deployment	6.5	11.3	8.2	12.5	10.8	10.7
Applications	14.9	13.3	17.3	16.8	15.2	15.7
Packaged software total	12.3	13.2	14.6	15.4	14.1	14.3
Hardware						
Systems						
High-end servers	-16.0	-16.0	-14.0	-9.6	-12.5	-13.1
Midrange servers	-7.0	13.6	9.4	2.3	0.9	6.4
Low-end servers	-8.4	5.1	4.5	4.1	-2.1	2.8
Standard Intel servers	-12.4	-2.5	-12.6	-2.4	1.7	-4.1
Other low-end servers	-4.4	12.0	18.2	7.9	-4.2	8.2
Personal computers	-8.2	17.7	11.9	5.3	8.3	10.7
Traditional workstations	-8.0	2.0	10.0	17.0	1.2	7.4
Systems total	-8.4	14.2	10.2	4.9	6.1	8.8
Storage						
Disk systems	-21.8	5.3	37.1	27.8	19.0	21.7
Tape	-10.0	7.2	43.3	31.2	1.7	19.7
Fibre Channel	64.0	45.4	41.4	31.0	28.0	36.3
Storage total	-18.7	7.5	37.9	28.3	18.2	22.4
Peripherals						
Printers	10.6	11.5	14.4	12.6	14.4	13.2
Smart handheld devices	19.5	45.7	34.9	16.8	21.6	29.2
Other add-ons	10.7	9.1	14.0	8.9	10.0	10.5
Peripherals total	11.1	13.1	15.8	12.4	14.3	13.9
Networking equipment	-10.6	13.2	15.6	10.0	9.7	12.1
Hardware total	-4.8	13.7	13.1	8.2	9.3	11.0
Packaged software total	12.3	13.2	14.6	15.4	14.1	14.3
Services total	-14.7	5.5	10.1	13.4	-3.0	6.3
Total IT	-3.9	11.8	12.8	11.0	7.9	10.9

Source: IDC, June 2002

Table 395
Proportions of IT Spending Categories in Egypt, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.7	2.7	2.6	2.5	2.5	2.2
Implementation	7.1	6.3	6.3	6.5	7.0	6.4
Support services	7.9	7.0	6.5	6.3	6.4	5.8
Operations management	3.6	3.3	3.0	2.9	2.9	2.5
Training and education	3.2	2.5	2.1	1.9	1.7	1.4
Services total	24.5	21.8	20.5	20.0	20.5	18.4
Packaged software						
System infrastructure software	4.0	4.6	4.7	4.6	4.7	4.9
Appl. development and deployment	3.4	3.8	3.8	3.6	3.7	3.8
Applications	12.2	14.6	14.8	15.3	16.1	17.2
Packaged software total	19.6	22.9	23.2	23.6	24.5	25.9
Hardware						
Systems						
High-end servers	1.2	1.1	0.8	0.6	0.5	0.4
Midrange servers	2.5	2.4	2.4	2.3	2.2	2.0
Low-end servers	3.5	3.4	3.2	2.9	2.7	2.5
Standard Intel servers	1.8	1.6	1.4	1.1	1.0	0.9
Other low-end servers	1.8	1.8	1.8	1.8	1.8	1.6
Personal computers	23.2	22.1	23.3	23.1	21.9	22.0
Traditional workstations	1.0	1.0	0.9	0.9	0.9	0.8
Systems total	31.3	29.9	30.5	29.8	28.2	27.7
Storage						
Disk systems	0.9	0.7	0.7	0.8	0.9	1.0
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.1	0.1	0.1	0.1
Storage total	0.9	0.8	0.8	0.9	1.1	1.2
Peripherals						
Printers	9.4	10.8	10.8	10.9	11.1	11.8
Smart handheld devices	0.7	0.8	1.1	1.3	1.3	1.5
Other add-ons	2.1	2.4	2.4	2.4	2.4	2.4
Peripherals total	12.2	14.1	14.2	14.6	14.8	15.7
Networking equipment	11.4	10.6	10.8	11.0	10.9	11.1
Hardware total	55.9	55.4	56.3	56.4	55.0	55.7
Packaged software total	19.6	22.9	23.2	23.6	24.5	25.9
Services total	24.5	21.8	20.5	20.0	20.5	18.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 396
Egypt Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.9	2.6	2.4	2.3	2.3	1.9
Implementation	3.0	2.3	2.2	2.2	2.3	2.0
Support services	4.4	3.5	3.3	3.2	3.3	2.9
Operations management	1.7	1.3	1.2	1.2	1.2	1.0
Training and education	9.0	6.4	5.8	5.5	5.3	4.5
Services total	3.2	2.5	2.3	2.3	2.3	2.0
Packaged software						
System infrastructure software	4.3	4.2	4.2	4.0	4.0	4.0
Appl. development and deployment	4.5	4.3	4.2	4.0	3.9	3.8
Applications	6.1	6.2	6.0	6.1	6.1	6.3
Packaged software total	5.3	5.3	5.2	5.2	5.1	5.2
Hardware						
Systems						
High-end servers	8.6	7.3	5.8	4.3	3.3	3.1
Midrange servers	5.4	4.6	4.9	4.6	3.9	3.7
Low-end servers	2.9	2.5	2.4	2.3	2.2	1.9
Standard Intel servers	2.2	1.8	1.6	1.3	1.1	1.0
Other low-end servers	4.3	4.2	4.3	4.4	4.3	3.6
Personal computers	4.3	3.5	3.4	3.7	3.6	3.6
Traditional workstations	7.8	7.8	8.5	9.9	11.4	12.5
Systems total	4.3	3.6	3.5	3.6	3.5	3.4
Storage						
Disk systems	4.6	4.3	4.3	4.4	4.4	4.4
Tape	4.6	4.3	4.3	4.4	4.4	4.4
Fibre Channel	4.6	4.3	4.3	4.4	4.4	4.4
Storage total	4.6	4.3	4.3	4.4	4.4	4.4
Peripherals						
Printers	8.4	8.8	9.2	9.9	10.3	11.1
Smart handheld devices	4.3	3.5	3.4	3.7	3.6	3.6
Other add-ons	6.1	5.9	5.7	5.7	5.5	5.4
Peripherals total	7.5	7.5	7.5	7.8	7.9	8.2
Networking equipment	7.8	6.0	5.9	6.1	6.0	5.9
Hardware total	5.2	4.5	4.4	4.6	4.6	4.6
Packaged software total	5.3	5.3	5.2	5.2	5.1	5.2
Services total	3.2	2.5	2.3	2.3	2.3	2.0
Total IT	4.6	4.0	3.8	3.9	3.9	3.8

Source: IDC, June 2002

Table 397
Egypt Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0	0.0	0.0
Support services	0.1	0.0	0.0	0.0	0.0	0.0
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.0	0.0	0.0	0.0
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.0	0.0	0.0
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.0	0.0
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.0	0.0	0.0	0.0	0.0
Other low-end servers	0.1	0.1	0.1	0.1	0.2	0.2
Personal computers	0.1	0.1	0.1	0.1	0.1	0.1
Traditional workstations	0.2	0.2	0.2	0.2	0.3	0.4
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.2	0.3	0.3	0.3	0.4	0.4
Smart handheld devices	0.1	0.1	0.1	0.1	0.1	0.1
Other add-ons	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals total	0.2	0.2	0.2	0.2	0.2	0.3
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 398
IT Spending in Israel, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	153.8	162.1	185.3	205.8	228.3	252.4
Implementation	349.1	361.5	400.7	438.5	482.5	528.6
Support services	309.8	313.1	326.0	347.1	375.0	399.6
Operations management	501.7	522.9	578.1	643.4	697.5	750.3
Training and education	75.6	75.3	79.8	85.2	90.9	96.5
Services total	1,390.0	1,435.0	1,570.0	1,720.0	1,874.2	2,027.4
Packaged software						
System infrastructure software	167.8	175.1	190.8	210.7	233.7	258.4
Appl. development and deployment	137.7	142.3	152.4	167.2	184.2	202.6
Applications	274.7	282.7	300.5	325.6	353.5	382.3
Packaged software total	580.2	600.1	643.6	703.5	771.4	843.3
Hardware						
Systems						
High-end servers	12.2	11.3	10.9	10.6	10.5	10.7
Midrange servers	61.9	59.2	59.9	58.6	60.9	63.3
Low-end servers	173.2	176.2	192.4	213.4	229.9	242.9
Standard Intel servers	113.6	124.7	133.0	143.2	151.8	159.2
Other low-end servers	59.6	51.4	59.4	70.2	78.1	83.7
Personal computers	547.7	596.0	666.7	722.4	800.8	865.2
Traditional workstations	36.1	31.9	27.0	22.8	18.8	15.3
Systems total	831.0	874.7	956.8	1,027.8	1,120.9	1,197.3
Storage						
Disk systems	25.0	20.6	22.1	29.3	36.6	40.8
Tape	2.0	1.9	2.1	2.9	3.8	3.6
Fibre Channel	0.7	1.2	1.9	2.5	3.2	3.9
Storage total	27.7	23.8	26.1	34.8	43.6	48.3
Peripherals						
Printers	112.8	118.0	123.9	128.8	133.6	138.7
Smart handheld devices	15.5	21.9	30.4	39.6	48.8	59.1
Other add-ons	23.0	26.0	29.0	31.8	34.6	37.1
Peripherals total	151.3	165.9	183.3	200.2	217.0	234.9
Networking equipment	212.1	224.5	248.9	276.6	304.5	317.3
Hardware total	1,222.2	1,288.9	1,415.1	1,539.4	1,686.0	1,797.8
Packaged software total	580.2	600.1	643.6	703.5	771.4	843.3
Services total	1,390.0	1,435.0	1,570.0	1,720.0	1,874.2	2,027.4
Total IT	3,192.4	3,323.9	3,628.7	3,962.9	4,331.6	4,668.5

Source: IDC, June 2002

Table 399
Growth in IT Spending in Israel, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	5.4	14.3	11.1	10.9	10.6	11.7
Implementation	3.5	10.8	9.4	10.0	9.6	10.0
Support services	1.1	4.1	6.5	8.1	6.5	6.3
Operations management	4.2	10.5	11.3	8.4	7.6	9.4
Training and education	-0.3	5.9	6.7	6.7	6.2	6.4
Services total	3.2	9.4	9.6	9.0	8.2	9.0
Packaged software						
System infrastructure software	4.3	9.0	10.4	10.9	10.6	10.2
Appl. development and deployment	3.3	7.1	9.7	10.2	10.0	9.2
Applications	2.9	6.3	8.3	8.6	8.1	7.8
Packaged software total	3.4	7.3	9.3	9.7	9.3	8.9
Hardware						
Systems						
High-end servers	-7.2	-4.0	-2.6	-0.5	1.7	-1.4
Midrange servers	-4.3	1.1	-2.1	3.9	3.9	1.7
Low-end servers	1.7	9.2	10.9	7.7	5.6	8.4
Standard Intel servers	9.8	6.6	7.7	6.0	4.9	6.3
Other low-end servers	-13.7	15.5	18.1	11.3	7.2	12.9
Personal computers	8.8	11.9	8.4	10.9	8.0	9.8
Traditional workstations	-11.5	-15.5	-15.4	-17.8	-18.5	-16.8
Systems total	5.2	9.4	7.4	9.1	6.8	8.2
Storage						
Disk systems	-17.5	7.5	32.3	25.0	11.4	18.6
Tape	-5.1	9.5	38.3	28.3	-4.8	16.6
Fibre Channel	73.0	48.5	36.4	28.1	19.9	32.8
Storage total	-14.2	9.8	33.1	25.5	10.6	19.3
Peripherals						
Printers	4.6	5.0	3.9	3.8	3.8	4.1
Smart handheld devices	41.8	38.5	30.6	23.0	21.2	28.1
Other add-ons	12.9	11.5	9.7	8.8	7.3	9.3
Peripherals total	9.7	10.5	9.2	8.4	8.2	9.1
Networking equipment	5.8	10.9	11.1	10.1	4.2	9.0
Hardware total	5.5	9.8	8.8	9.5	6.6	8.7
Packaged software total	3.4	7.3	9.3	9.7	9.3	8.9
Services total	3.2	9.4	9.6	9.0	8.2	9.0
Total IT	4.1	9.2	9.2	9.3	7.8	8.9

Source: IDC, June 2002

Table 400
Proportions of IT Spending Categories in Israel, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.8	4.9	5.1	5.2	5.3	5.4
Implementation	10.9	10.9	11.0	11.1	11.1	11.3
Support services	9.7	9.4	9.0	8.8	8.7	8.6
Operations management	15.7	15.7	15.9	16.2	16.1	16.1
Training and education	2.4	2.3	2.2	2.1	2.1	2.1
Services total	43.5	43.2	43.3	43.4	43.3	43.4
Packaged software						
System infrastructure software	5.3	5.3	5.3	5.3	5.4	5.5
Appl. development and deployment	4.3	4.3	4.2	4.2	4.3	4.3
Applications	8.6	8.5	8.3	8.2	8.2	8.2
Packaged software total	18.2	18.1	17.7	17.8	17.8	18.1
Hardware						
Systems						
High-end servers	0.4	0.3	0.3	0.3	0.2	0.2
Midrange servers	1.9	1.8	1.7	1.5	1.4	1.4
Low-end servers	5.4	5.3	5.3	5.4	5.3	5.2
Standard Intel servers	3.6	3.8	3.7	3.6	3.5	3.4
Other low-end servers	1.9	1.5	1.6	1.8	1.8	1.8
Personal computers	17.2	17.9	18.4	18.2	18.5	18.5
Traditional workstations	1.1	1.0	0.7	0.6	0.4	0.3
Systems total	26.0	26.3	26.4	25.9	25.9	25.6
Storage						
Disk systems	0.8	0.6	0.6	0.7	0.8	0.9
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.1	0.1	0.1	0.1
Storage total	0.9	0.7	0.7	0.9	1.0	1.0
Peripherals						
Printers	3.5	3.6	3.4	3.2	3.1	3.0
Smart handheld devices	0.5	0.7	0.8	1.0	1.1	1.3
Other add-ons	0.7	0.8	0.8	0.8	0.8	0.8
Peripherals total	4.7	5.0	5.1	5.1	5.0	5.0
Networking equipment	6.6	6.8	6.9	7.0	7.0	6.8
Hardware total	38.3	38.8	39.0	38.8	38.9	38.5
Packaged software total	18.2	18.1	17.7	17.8	17.8	18.1
Services total	43.5	43.2	43.3	43.4	43.3	43.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 401
Israel Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	26.2	24.9	24.9	24.4	23.7	23.3
Implementation	23.1	21.0	20.0	19.0	18.2	17.8
Support services	26.9	25.4	24.0	22.9	22.1	21.2
Operations management	36.6	34.8	34.1	33.7	32.9	32.2
Training and education	32.9	32.0	31.7	32.2	32.4	33.4
Services total	28.7	26.9	25.9	25.1	24.3	23.7
Packaged software						
System infrastructure software	27.9	26.2	24.9	23.8	22.9	22.5
Appl. development and deployment	28.3	26.3	24.7	23.8	22.5	21.9
Applications	21.4	19.4	17.8	16.6	15.5	15.0
Packaged software total	24.4	22.5	20.9	19.9	18.7	18.3
Hardware						
Systems						
High-end servers	13.4	12.6	11.5	9.6	8.0	8.8
Midrange servers	21.2	18.7	17.7	14.7	12.9	12.5
Low-end servers	21.9	21.5	21.4	21.4	21.2	20.1
Standard Intel servers	21.6	22.2	21.5	21.3	20.8	20.0
Other low-end servers	22.4	20.1	21.1	21.6	22.0	20.4
Personal computers	15.8	15.3	14.2	14.9	15.3	15.3
Traditional workstations	43.4	42.0	37.8	33.8	27.5	24.3
Systems total	17.6	16.9	15.7	16.0	16.0	15.8
Storage						
Disk systems	20.9	20.6	21.1	21.1	20.6	19.1
Tape	20.9	20.6	21.1	21.1	20.6	19.1
Fibre Channel	20.9	20.6	21.1	21.1	20.6	19.1
Storage total	20.9	20.6	21.1	21.1	20.6	19.1
Peripherals						
Printers	15.7	15.5	15.3	15.0	14.4	14.0
Smart handheld devices	15.8	15.3	14.2	14.9	15.3	15.3
Other add-ons	10.3	10.1	10.1	9.7	9.3	9.0
Peripherals total	14.5	14.3	14.0	13.8	13.4	13.1
Networking equipment	22.5	20.5	19.6	19.5	19.2	18.2
Hardware total	17.9	17.1	16.1	16.3	16.2	15.8
Packaged software total	24.4	22.5	20.9	19.9	18.7	18.3
Services total	28.7	26.9	25.9	25.1	24.3	23.7
Total IT	22.7	21.4	20.2	20.0	19.5	19.0

Source: IDC, June 2002

Table 402
Israel Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.3	0.3	0.3	0.3	0.3	0.3
Implementation	0.4	0.3	0.4	0.3	0.3	0.3
Support services	0.3	0.3	0.3	0.3	0.3	0.3
Operations management	0.3	0.3	0.3	0.3	0.3	0.3
Training and education	0.3	0.3	0.3	0.2	0.2	0.2
Services total	0.3	0.3	0.3	0.3	0.3	0.3
Packaged software						
System infrastructure software	0.3	0.3	0.3	0.3	0.3	0.3
Appl. development and deployment	0.3	0.3	0.3	0.3	0.3	0.3
Applications	0.3	0.3	0.3	0.3	0.3	0.3
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.5	0.5	0.4	0.4	0.3	0.3
Low-end servers	0.6	0.6	0.6	0.6	0.6	0.6
Standard Intel servers	0.6	0.6	0.6	0.6	0.6	0.5
Other low-end servers	0.6	0.5	0.6	0.7	0.8	0.9
Personal computers	0.3	0.4	0.4	0.4	0.5	0.5
Traditional workstations	0.9	1.0	0.9	0.9	0.8	0.7
Systems total	0.4	0.4	0.4	0.4	0.5	0.5
Storage						
Disk systems	0.1	0.1	0.1	0.1	0.1	0.1
Tape	0.1	0.0	0.0	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.1	0.1	0.1	0.1	0.1	0.1
Peripherals						
Printers	0.4	0.5	0.5	0.5	0.5	0.5
Smart handheld devices	0.2	0.3	0.4	0.4	0.4	0.4
Other add-ons	0.2	0.2	0.2	0.2	0.2	0.2
Peripherals total	0.3	0.4	0.4	0.4	0.4	0.4
Networking equipment	0.4	0.4	0.4	0.4	0.4	0.4
Hardware total	0.3	0.4	0.4	0.4	0.4	0.4
Packaged software total	0.3	0.3	0.3	0.3	0.3	0.3
Services total	0.3	0.3	0.3	0.3	0.3	0.3
Total IT	0.3	0.3	0.3	0.3	0.3	0.3

Source: IDC, June 2002

Table 403
IT Spending in the Other Gulf States, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	13.0	18.2	25.1	27.8	34.0	37.5
Implementation	78.2	95.8	115.6	133.1	152.4	173.1
Support services	73.7	79.5	89.1	95.5	105.2	114.1
Operations management	60.3	70.5	79.8	89.5	95.8	101.4
Training and education	10.9	11.1	11.4	11.1	12.0	12.1
Services total	236.2	275.2	320.9	357.0	399.3	438.2
Packaged software						
System infrastructure software	24.4	28.0	31.8	35.9	40.7	45.1
Appl. development and deployment	25.0	28.8	32.0	35.5	40.8	45.4
Applications	60.5	72.4	87.1	100.2	114.1	128.4
Packaged software total	109.9	129.2	150.9	171.6	195.6	218.9
Hardware						
Systems						
High-end servers	1.1	3.3	1.7	4.0	2.2	2.1
Midrange servers	14.6	13.7	13.8	15.4	15.3	16.4
Low-end servers	56.3	60.8	67.0	72.5	77.8	81.2
Standard Intel servers	48.7	51.7	57.3	63.4	67.7	71.5
Other low-end servers	7.6	9.1	9.7	9.1	10.1	9.7
Personal computers	212.2	234.8	253.3	278.9	299.4	320.8
Traditional workstations	15.0	14.4	13.5	12.9	12.1	10.9
Systems total	299.2	327.1	349.4	383.6	406.8	431.4
Storage						
Disk systems	3.6	3.5	3.9	5.6	7.8	10.0
Tape	0.3	0.3	0.4	0.6	0.8	0.9
Fibre Channel	0.1	0.2	0.3	0.5	0.7	1.0
Storage total	4.0	4.0	4.6	6.7	9.3	11.8
Peripherals						
Printers	23.3	25.5	28.4	27.9	29.7	28.6
Smart handheld devices	6.0	8.6	11.5	15.3	18.2	21.9
Other add-ons	11.0	13.6	16.7	18.6	21.4	24.5
Peripherals total	40.3	47.7	56.6	61.8	69.4	75.0
Networking equipment	58.7	67.6	79.4	86.4	96.2	105.9
Hardware total	402.2	446.5	490.0	538.5	581.6	624.1
Packaged software total	109.9	129.2	150.9	171.6	195.6	218.9
Services total	236.2	275.2	320.9	357.0	399.3	438.2
Total IT	748.3	850.9	961.8	1,067.1	1,176.5	1,281.3

Source: IDC, June 2002

Table 404
Growth in IT Spending in the Other Gulf States, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	39.5	38.1	10.7	22.1	10.3	19.8
Implementation	22.6	20.6	15.1	14.5	13.6	15.9
Support services	7.8	12.0	7.2	10.1	8.5	9.4
Operations management	16.9	13.1	12.3	7.1	5.8	9.5
Training and education	2.0	2.1	-2.5	7.7	1.4	2.1
Services total	16.5	16.6	11.2	11.9	9.7	12.3
Packaged software						
System infrastructure software	14.7	13.6	13.0	13.2	10.8	12.6
Appl. development and deployment	15.3	11.0	11.0	15.0	11.4	12.1
Applications	19.6	20.4	15.0	13.9	12.6	15.4
Packaged software total	17.5	16.8	13.7	14.0	12.0	14.1
Hardware						
Systems						
High-end servers	203.7	-49.5	138.3	-43.7	-4.9	-10.4
Midrange servers	-5.9	0.7	11.7	-1.0	7.1	4.5
Low-end servers	8.0	10.2	8.1	7.3	4.4	7.5
Standard Intel servers	6.1	10.8	10.6	6.7	5.6	8.4
Other low-end servers	19.7	6.5	-6.5	11.6	-3.7	1.7
Personal computers	10.7	7.9	10.1	7.4	7.1	8.1
Traditional workstations	-3.9	-6.3	-5.1	-5.8	-9.9	-6.8
Systems total	9.3	6.8	9.8	6.1	6.0	7.2
Storage						
Disk systems	-2.6	11.9	45.1	38.0	28.8	30.3
Tape	12.1	14.0	51.7	41.6	10.1	28.1
Fibre Channel	104.2	54.5	49.7	41.4	38.6	45.9
Storage total	1.2	14.3	46.0	38.5	27.9	31.1
Peripherals						
Printers	9.2	11.7	-1.9	6.4	-3.7	2.9
Smart handheld devices	44.2	33.6	32.6	19.1	20.2	26.2
Other add-ons	24.3	22.4	11.3	15.5	14.4	15.8
Peripherals total	18.5	18.7	9.0	12.3	8.2	12.0
Networking equipment	15.2	17.4	8.9	11.2	10.1	11.8
Hardware total	11.0	9.7	9.9	8.0	7.3	8.7
Packaged software total	17.5	16.8	13.7	14.0	12.0	14.1
Services total	16.5	16.6	11.2	11.9	9.7	12.3
Total IT	13.7	13.0	10.9	10.3	8.9	10.8

Source: IDC, June 2002

Table 405

Proportions of IT Spending Categories in the Other Gulf States, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.7	2.1	2.6	2.6	2.9	2.9
Implementation	10.5	11.3	12.0	12.5	13.0	13.5
Support services	9.9	9.3	9.3	8.9	8.9	8.9
Operations management	8.1	8.3	8.3	8.4	8.1	7.9
Training and education	1.5	1.3	1.2	1.0	1.0	0.9
Services total	31.6	32.3	33.4	33.5	33.9	34.2
Packaged software						
System infrastructure software	3.3	3.3	3.3	3.4	3.5	3.5
Appl. development and deployment	3.3	3.4	3.3	3.3	3.5	3.5
Applications	8.1	8.5	9.1	9.4	9.7	10.0
Packaged software total	14.7	15.2	15.7	16.1	16.6	17.1
Hardware						
Systems						
High-end servers	0.1	0.4	0.2	0.4	0.2	0.2
Midrange servers	1.9	1.6	1.4	1.4	1.3	1.3
Low-end servers	7.5	7.1	7.0	6.8	6.6	6.3
Standard Intel servers	6.5	6.1	6.0	5.9	5.8	5.6
Other low-end servers	1.0	1.1	1.0	0.8	0.9	0.8
Personal computers	28.4	27.6	26.3	26.1	25.5	25.0
Traditional workstations	2.0	1.7	1.4	1.2	1.0	0.9
Systems total	40.0	38.4	36.3	36.0	34.6	33.7
Storage						
Disk systems	0.5	0.4	0.4	0.5	0.7	0.8
Tape	0.0	0.0	0.0	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.1	0.1
Storage total	0.5	0.5	0.5	0.6	0.8	0.9
Peripherals						
Printers	3.1	3.0	3.0	2.6	2.5	2.2
Smart handheld devices	0.8	1.0	1.2	1.4	1.5	1.7
Other add-ons	1.5	1.6	1.7	1.7	1.8	1.9
Peripherals total	5.4	5.6	5.9	5.8	5.9	5.9
Networking equipment	7.8	7.9	8.3	8.1	8.2	8.3
Hardware total	53.7	52.5	50.9	50.5	49.4	48.7
Packaged software total	14.7	15.2	15.7	16.1	16.6	17.1
Services total	31.6	32.3	33.4	33.5	33.9	34.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 406
Other Gulf States Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.2	2.8	3.4	3.3	3.5	3.5
Implementation	5.2	5.6	5.8	5.8	5.8	5.8
Support services	6.4	6.5	6.5	6.3	6.2	6.1
Operations management	4.4	4.7	4.7	4.7	4.5	4.3
Training and education	4.8	4.7	4.5	4.2	4.3	4.2
Services total	4.9	5.2	5.3	5.2	5.2	5.1
Packaged software						
System infrastructure software	4.1	4.2	4.2	4.1	4.0	3.9
Appl. development and deployment	5.1	5.3	5.2	5.0	5.0	4.9
Applications	4.7	5.0	5.2	5.1	5.0	5.0
Packaged software total	4.6	4.8	4.9	4.8	4.7	4.7
Hardware						
Systems						
High-end servers	1.2	3.7	1.8	3.6	1.7	1.7
Midrange servers	5.0	4.3	4.1	3.9	3.2	3.2
Low-end servers	7.1	7.4	7.4	7.3	7.2	6.7
Standard Intel servers	9.3	9.2	9.3	9.4	9.3	9.0
Other low-end servers	2.9	3.6	3.4	2.8	2.8	2.4
Personal computers	6.1	6.0	5.4	5.8	5.7	5.7
Traditional workstations	18.1	19.0	19.0	19.0	17.7	17.3
Systems total	6.3	6.3	5.7	6.0	5.8	5.7
Storage						
Disk systems	3.0	3.5	3.7	4.1	4.4	4.7
Tape	3.0	3.5	3.7	4.1	4.4	4.7
Fibre Channel	3.0	3.5	3.7	4.1	4.4	4.7
Storage total	3.0	3.5	3.7	4.1	4.4	4.7
Peripherals						
Printers	3.2	3.3	3.5	3.2	3.2	2.9
Smart handheld devices	6.1	6.0	5.4	5.8	5.7	5.7
Other add-ons	4.9	5.3	5.8	5.7	5.8	6.0
Peripherals total	3.9	4.1	4.3	4.2	4.3	4.2
Networking equipment	6.2	6.2	6.3	6.1	6.1	6.1
Hardware total	5.9	5.9	5.6	5.7	5.6	5.5
Packaged software total	4.6	4.8	4.9	4.8	4.7	4.7
Services total	4.9	5.2	5.3	5.2	5.2	5.1
Total IT	5.3	5.5	5.4	5.4	5.3	5.2

Source: IDC, June 2002

Table 407

Other Gulf States Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.0	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.0	0.0	0.0	0.0	0.0	0.0
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Standard Intel servers	0.2	0.2	0.3	0.3	0.2	0.2
Other low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Personal computers	0.1	0.2	0.2	0.2	0.2	0.2
Traditional workstations	0.4	0.4	0.5	0.5	0.5	0.5
Systems total	0.1	0.2	0.2	0.2	0.2	0.2
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.1	0.1	0.1	0.1	0.1
Smart handheld devices	0.1	0.1	0.1	0.2	0.2	0.2
Other add-ons	0.1	0.1	0.1	0.1	0.2	0.2
Peripherals total	0.1	0.1	0.1	0.1	0.1	0.1
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Table 408
IT Spending in the Rest of Middle East/Africa, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	28.6	32.3	37.0	42.9	50.2	59.0
Implementation	187.3	217.8	258.8	295.9	337.3	383.7
Support services	131.4	145.7	165.6	183.8	202.2	223.3
Operations management	33.2	38.3	44.9	52.9	60.2	68.6
Training and education	14.3	16.7	20.0	22.0	25.5	28.9
Services total	394.8	450.7	526.3	597.5	675.5	763.5
Packaged software						
System infrastructure software	71.3	79.2	86.1	95.3	106.5	118.5
Appl. development and deployment	60.6	66.7	73.5	79.8	89.8	100.4
Applications	117.8	132.5	149.8	173.3	197.9	219.6
Packaged software total	249.7	278.4	309.5	348.4	394.2	438.4
Hardware						
Systems						
High-end servers	5.7	5.7	5.2	7.4	7.2	8.6
Midrange servers	58.6	65.4	72.2	78.9	89.3	95.8
Low-end servers	149.3	151.3	158.7	166.2	179.9	200.6
Standard Intel servers	101.7	102.0	111.5	120.3	132.5	149.4
Other low-end servers	47.6	49.3	47.2	46.0	47.3	51.2
Personal computers	791.0	961.2	1,135.5	1,212.3	1,309.7	1,457.0
Traditional workstations	7.8	6.9	6.6	6.2	6.1	5.9
Systems total	1,012.5	1,190.5	1,378.3	1,471.0	1,592.2	1,768.0
Storage						
Disk systems	13.5	12.9	14.2	20.0	26.0	33.1
Tape	1.1	1.2	1.4	2.0	2.7	2.9
Fibre Channel	0.4	0.8	1.2	1.7	2.3	3.1
Storage total	15.0	14.8	16.8	23.7	31.0	39.2
Peripherals						
Printers	219.8	229.8	244.8	258.0	284.8	298.4
Smart handheld devices	22.3	35.4	51.7	66.5	79.8	99.6
Other add-ons	35.4	42.6	49.9	59.3	66.9	78.2
Peripherals total	277.5	307.8	346.3	383.8	431.4	476.2
Networking equipment	95.6	107.0	121.1	137.4	158.1	182.9
Hardware total	1,400.6	1,620.1	1,862.5	2,016.0	2,212.6	2,466.2
Packaged software total	249.7	278.4	309.5	348.4	394.2	438.4
Services total	394.8	450.7	526.3	597.5	675.5	763.5
Total IT	2,045.0	2,349.1	2,698.2	2,961.9	3,282.3	3,668.1

Source: IDC, June 2002

Table 409

Growth in IT Spending in the Rest of Middle East/Africa, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	12.8	14.7	16.0	17.0	17.6	16.3
Implementation	16.3	18.8	14.3	14.0	13.7	15.2
Support services	10.9	13.7	11.0	10.0	10.4	11.3
Operations management	15.4	17.3	17.8	13.9	13.8	15.7
Training and education	16.6	19.7	10.2	15.7	13.5	14.7
Services total	14.2	16.8	13.5	13.0	13.0	14.1
Packaged software						
System infrastructure software	11.0	8.8	10.7	11.8	11.3	10.6
Appl. development and deployment	10.1	10.3	8.6	12.5	11.8	10.8
Applications	12.5	13.0	15.7	14.2	11.0	13.5
Packaged software total	11.5	11.2	12.6	13.1	11.2	12.0
Hardware						
Systems						
High-end servers	-0.3	-8.6	42.2	-3.0	19.5	10.8
Midrange servers	11.5	10.4	9.3	13.2	7.3	10.0
Low-end servers	1.3	4.9	4.7	8.2	11.5	7.3
Standard Intel servers	0.3	9.4	7.8	10.2	12.7	10.0
Other low-end servers	3.5	-4.3	-2.5	2.9	8.2	1.0
Personal computers	21.5	18.1	6.8	8.0	11.2	11.0
Traditional workstations	-11.4	-4.5	-7.1	-0.7	-3.0	-3.9
Systems total	17.6	15.8	6.7	8.2	11.0	10.4
Storage						
Disk systems	-4.6	10.7	40.2	30.4	27.2	26.7
Tape	9.7	12.8	46.6	33.9	8.7	24.5
Fibre Channel	100.0	52.9	44.6	33.7	36.8	41.8
Storage total	-0.8	13.1	41.0	30.9	26.3	27.4
Peripherals						
Printers	4.6	6.5	5.4	10.4	4.8	6.7
Smart handheld devices	58.3	46.3	28.6	19.9	24.8	29.5
Other add-ons	20.4	17.1	18.9	12.8	17.0	16.4
Peripherals total	10.9	12.5	10.8	12.4	10.4	11.5
Networking equipment	11.9	13.2	13.5	15.0	15.7	14.3
Hardware total	15.7	15.0	8.2	9.8	11.5	11.1
Packaged software total	11.5	11.2	12.6	13.1	11.2	12.0
Services total	14.2	16.8	13.5	13.0	13.0	14.1
Total IT	14.9	14.9	9.8	10.8	11.8	11.8

Source: IDC, June 2002

Table 410
Proportions of IT Spending Categories in the Rest of Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.4	1.4	1.4	1.4	1.5	1.6
Implementation	9.2	9.3	9.6	10.0	10.3	10.5
Support services	6.4	6.2	6.1	6.2	6.2	6.1
Operations management	1.6	1.6	1.7	1.8	1.8	1.9
Training and education	0.7	0.7	0.7	0.7	0.8	0.8
Services total	19.3	19.2	19.5	20.2	20.6	20.8
Packaged software						
System infrastructure software	3.5	3.4	3.2	3.2	3.2	3.2
Appl. development and deployment	3.0	2.8	2.7	2.7	2.7	2.7
Applications	5.8	5.6	5.6	5.9	6.0	6.0
Packaged software total	12.2	11.8	11.5	11.8	12.0	12.0
Hardware						
Systems						
High-end servers	0.3	0.2	0.2	0.2	0.2	0.2
Midrange servers	2.9	2.8	2.7	2.7	2.7	2.6
Low-end servers	7.3	6.4	5.9	5.6	5.5	5.5
Standard Intel servers	5.0	4.3	4.1	4.1	4.0	4.1
Other low-end servers	2.3	2.1	1.7	1.6	1.4	1.4
Personal computers	38.7	40.9	42.1	40.9	39.9	39.7
Traditional workstations	0.4	0.3	0.2	0.2	0.2	0.2
Systems total	49.5	50.7	51.1	49.7	48.5	48.2
Storage						
Disk systems	0.7	0.5	0.5	0.7	0.8	0.9
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.1	0.1	0.1
Storage total	0.7	0.6	0.6	0.8	0.9	1.1
Peripherals						
Printers	10.7	9.8	9.1	8.7	8.7	8.1
Smart handheld devices	1.1	1.5	1.9	2.2	2.4	2.7
Other add-ons	1.7	1.8	1.8	2.0	2.0	2.1
Peripherals total	13.6	13.1	12.8	13.0	13.1	13.0
Networking equipment	4.7	4.6	4.5	4.6	4.8	5.0
Hardware total	68.5	69.0	69.0	68.1	67.4	67.2
Packaged software total	12.2	11.8	11.5	11.8	12.0	12.0
Services total	19.3	19.2	19.5	20.2	20.6	20.8
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 411

Rest of Middle East/Africa Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.9	4.9	5.0	5.1	5.2	5.5
Implementation	12.4	12.7	12.9	12.8	12.8	12.9
Support services	11.4	11.8	12.2	12.1	11.9	11.9
Operations management	2.4	2.5	2.6	2.8	2.8	2.9
Training and education	6.2	7.1	7.9	8.3	9.1	10.0
Services total	8.1	8.4	8.7	8.7	8.8	8.9
Packaged software						
System infrastructure software	11.9	11.9	11.3	10.8	10.4	10.3
Appl. development and deployment	12.4	12.3	11.9	11.4	11.0	10.9
Applications	9.2	9.1	8.9	8.9	8.7	8.6
Packaged software total	10.5	10.4	10.1	9.8	9.6	9.5
Hardware						
Systems						
High-end servers	6.3	6.3	5.5	6.7	5.5	7.0
Midrange servers	20.0	20.6	21.3	19.8	18.9	18.9
Low-end servers	18.9	18.5	17.6	16.7	16.6	16.6
Standard Intel servers	19.4	18.1	18.1	17.9	18.2	18.7
Other low-end servers	17.9	19.2	16.7	14.2	13.3	12.5
Personal computers	22.8	24.7	24.2	25.0	25.0	25.7
Traditional workstations	9.4	9.1	9.3	9.1	9.0	9.4
Systems total	21.5	22.9	22.6	22.9	22.8	23.4
Storage						
Disk systems	11.3	12.9	13.6	14.4	14.6	15.5
Tape	11.3	12.9	13.6	14.4	14.6	15.5
Fibre Channel	11.3	12.9	13.6	14.4	14.6	15.5
Storage total	11.3	12.9	13.6	14.4	14.6	15.5
Peripherals						
Printers	30.5	30.2	30.2	30.0	30.6	30.2
Smart handheld devices	22.8	24.7	24.2	25.0	25.0	25.7
Other add-ons	15.7	16.6	17.3	18.1	18.0	19.0
Peripherals total	26.6	26.5	26.4	26.4	26.6	26.6
Networking equipment	10.1	9.8	9.5	9.7	10.0	10.5
Hardware total	20.5	21.4	21.2	21.3	21.2	21.7
Packaged software total	10.5	10.4	10.1	9.8	9.6	9.5
Services total	8.1	8.4	8.7	8.7	8.8	8.9
Total IT	14.5	15.1	15.1	14.9	14.8	14.9

Source: IDC, June 2002

Table 412

Rest of Middle East/Africa Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.2	0.2	0.2	0.2	0.2	0.2
Support services	0.1	0.1	0.2	0.2	0.2	0.2
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Midrange servers	0.4	0.5	0.5	0.5	0.5	0.5
Low-end servers	0.5	0.5	0.5	0.5	0.5	0.5
Standard Intel servers	0.5	0.5	0.5	0.5	0.5	0.5
Other low-end servers	0.5	0.5	0.4	0.5	0.5	0.5
Personal computers	0.5	0.6	0.7	0.7	0.7	0.8
Traditional workstations	0.2	0.2	0.2	0.2	0.3	0.3
Systems total	0.4	0.6	0.6	0.6	0.7	0.7
Storage						
Disk systems	0.1	0.1	0.1	0.1	0.1	0.1
Tape	0.0	0.0	0.0	0.0	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.1	0.1	0.1
Peripherals						
Printers	0.9	0.9	1.0	1.0	1.1	1.1
Smart handheld devices	0.4	0.5	0.6	0.7	0.7	0.8
Other add-ons	0.3	0.4	0.4	0.4	0.5	0.5
Peripherals total	0.6	0.7	0.7	0.8	0.8	0.9
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.4	0.5	0.5	0.5	0.5	0.6
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.2	0.2	0.3	0.3	0.3	0.3

Source: IDC, June 2002

Table 413
IT Spending in Saudi Arabia, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	58.7	65.2	72.0	79.4	88.4	98.3
Implementation	215.3	262.3	323.6	378.5	432.7	483.2
Support services	145.0	162.0	183.6	208.1	228.0	249.6
Operations management	212.3	225.0	237.4	251.8	268.4	296.2
Training and education	60.1	67.2	71.5	74.2	76.5	78.0
Services total	691.4	781.7	888.2	992.0	1,094.0	1,205.3
Packaged software						
System infrastructure software	49.3	55.0	61.2	68.3	75.7	83.7
Appl. development and deployment	39.2	45.5	52.3	59.6	67.1	75.2
Applications	142.4	162.7	185.1	206.1	229.3	254.6
Packaged software total	230.9	263.2	298.6	334.0	372.1	413.5
Hardware						
Systems						
High-end servers	14.6	9.5	9.8	7.6	15.7	10.6
Midrange servers	23.6	25.5	27.0	28.1	29.0	30.1
Low-end servers	48.7	51.8	53.6	50.6	49.7	49.6
Standard Intel servers	21.5	24.8	27.0	25.4	24.3	24.7
Other low-end servers	27.2	27.0	26.6	25.3	25.3	24.9
Personal computers	271.2	408.6	412.8	411.7	440.6	461.9
Traditional workstations	5.2	5.0	4.8	4.6	4.4	3.9
Systems total	363.4	500.4	508.0	502.7	539.4	556.2
Storage						
Disk systems	9.5	9.7	9.1	11.9	15.1	17.5
Tape	0.8	0.9	0.9	1.2	1.6	1.5
Fibre Channel	0.3	0.6	0.8	1.0	1.3	1.7
Storage total	10.6	11.2	10.7	14.2	18.0	20.7
Peripherals						
Printers	84.4	92.3	100.0	105.4	108.4	109.7
Smart handheld devices	7.7	15.0	18.8	22.6	26.8	31.6
Other add-ons	29.1	30.5	34.8	38.2	43.4	44.3
Peripherals total	121.2	137.8	153.6	166.2	178.6	185.6
Networking equipment	85.2	99.2	115.3	133.6	151.0	168.2
Hardware total	580.3	748.6	787.5	816.8	887.0	930.7
Packaged software total	230.9	263.2	298.6	334.0	372.1	413.5
Services total	691.4	781.7	888.2	992.0	1,094.0	1,205.3
Total IT	1,502.6	1,793.5	1,974.4	2,142.8	2,353.1	2,549.6

Source: IDC, June 2002

Table 414
Growth in IT Spending in Saudi Arabia, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.1	10.5	10.2	11.3	11.2	10.8
Implementation	21.8	23.4	16.9	14.3	11.7	16.5
Support services	11.7	13.3	13.3	9.6	9.5	11.4
Operations management	6.0	5.5	6.1	6.6	10.4	7.1
Training and education	11.8	6.4	3.8	3.1	2.0	3.8
Services total	13.1	13.6	11.7	10.3	10.2	11.4
Packaged software						
System infrastructure software	11.6	11.3	11.6	10.9	10.6	11.1
Appl. development and deployment	16.1	15.0	13.9	12.5	12.2	13.4
Applications	14.3	13.8	11.4	11.3	11.0	11.8
Packaged software total	14.0	13.5	11.9	11.4	11.1	12.0
Hardware						
Systems						
High-end servers	-34.9	3.0	-22.1	105.8	-32.5	2.7
Midrange servers	8.0	6.0	4.0	3.1	4.1	4.3
Low-end servers	6.2	3.5	-5.5	-1.8	-0.2	-1.1
Standard Intel servers	15.3	9.0	-6.0	-4.1	1.4	-0.1
Other low-end servers	-0.9	-1.6	-5.0	0.4	-1.7	-2.0
Personal computers	50.7	1.0	-0.3	7.0	4.8	3.1
Traditional workstations	-3.5	-3.8	-3.1	-4.8	-10.9	-5.7
Systems total	37.7	1.5	-1.0	7.3	3.1	2.7
Storage						
Disk systems	1.4	-6.2	31.8	26.8	15.6	16.0
Tape	16.6	-4.5	37.8	30.2	-1.2	14.1
Fibre Channel	112.6	29.5	36.0	30.0	24.3	29.9
Storage total	5.4	-4.2	32.6	27.3	14.8	16.7
Peripherals						
Printers	9.3	8.4	5.4	2.8	1.2	4.4
Smart handheld devices	96.2	25.1	20.2	18.7	17.6	20.4
Other add-ons	4.8	14.2	9.7	13.5	2.2	9.8
Peripherals total	13.7	11.5	8.2	7.4	3.9	7.7
Networking equipment	16.5	16.2	15.9	13.0	11.4	14.1
Hardware total	29.0	5.2	3.7	8.6	4.9	5.6
Packaged software total	14.0	13.5	11.9	11.4	11.1	12.0
Services total	13.1	13.6	11.7	10.3	10.2	11.4
Total IT	19.4	10.1	8.5	9.8	8.4	9.2

Source: IDC, June 2002

Table 415
Proportions of IT Spending Categories in Saudi Arabia, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	3.9	3.6	3.6	3.7	3.8	3.9
Implementation	14.3	14.6	16.4	17.7	18.4	19.0
Support services	9.7	9.0	9.3	9.7	9.7	9.8
Operations management	14.1	12.5	12.0	11.8	11.4	11.6
Training and education	4.0	3.7	3.6	3.5	3.3	3.1
Services total	46.0	43.6	45.0	46.3	46.5	47.3
Packaged software						
System infrastructure software	3.3	3.1	3.1	3.2	3.2	3.3
Appl. development and deployment	2.6	2.5	2.6	2.8	2.8	2.9
Applications	9.5	9.1	9.4	9.6	9.7	10.0
Packaged software total	15.4	14.7	15.1	15.6	15.8	16.2
Hardware						
Systems						
High-end servers	1.0	0.5	0.5	0.4	0.7	0.4
Midrange servers	1.6	1.4	1.4	1.3	1.2	1.2
Low-end servers	3.2	2.9	2.7	2.4	2.1	1.9
Standard Intel servers	1.4	1.4	1.4	1.2	1.0	1.0
Other low-end servers	1.8	1.5	1.3	1.2	1.1	1.0
Personal computers	18.1	22.8	20.9	19.2	18.7	18.1
Traditional workstations	0.3	0.3	0.2	0.2	0.2	0.2
Systems total	24.2	27.9	25.7	23.5	22.9	21.8
Storage						
Disk systems	0.6	0.5	0.5	0.6	0.6	0.7
Tape	0.1	0.1	0.0	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.1	0.1
Storage total	0.7	0.6	0.5	0.7	0.8	0.8
Peripherals						
Printers	5.6	5.1	5.1	4.9	4.6	4.3
Smart handheld devices	0.5	0.8	1.0	1.1	1.1	1.2
Other add-ons	1.9	1.7	1.8	1.8	1.8	1.7
Peripherals total	8.1	7.7	7.8	7.8	7.6	7.3
Networking equipment	5.7	5.5	5.8	6.2	6.4	6.6
Hardware total	38.6	41.7	39.9	38.1	37.7	36.5
Packaged software total	15.4	14.7	15.1	15.6	15.8	16.2
Services total	46.0	43.6	45.0	46.3	46.5	47.3
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 416
Saudi Arabia Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	10.0	10.0	9.7	9.4	9.2	9.1
Implementation	14.3	15.3	16.1	16.4	16.4	16.2
Support services	12.6	13.2	13.5	13.7	13.5	13.3
Operations management	15.5	15.0	14.0	13.2	12.7	12.7
Training and education	26.2	28.5	28.4	28.1	27.3	27.0
Services total	14.3	14.6	14.7	14.5	14.2	14.1
Packaged software						
System infrastructure software	8.2	8.2	8.0	7.7	7.4	7.3
Appl. development and deployment	8.0	8.4	8.5	8.5	8.2	8.1
Applications	11.1	11.2	10.9	10.5	10.1	10.0
Packaged software total	9.7	9.9	9.7	9.4	9.0	9.0
Hardware						
Systems						
High-end servers	16.1	10.6	10.4	6.9	12.0	8.7
Midrange servers	8.1	8.0	8.0	7.0	6.1	6.0
Low-end servers	6.2	6.3	6.0	5.1	4.6	4.1
Standard Intel servers	4.1	4.4	4.4	3.8	3.3	3.1
Other low-end servers	10.3	10.5	9.4	7.8	7.1	6.1
Personal computers	7.8	10.5	8.8	8.5	8.4	8.1
Traditional workstations	6.2	6.5	6.7	6.9	6.5	6.2
Systems total	7.7	9.6	8.3	7.8	7.7	7.3
Storage						
Disk systems	8.0	9.7	8.6	8.6	8.5	8.2
Tape	8.0	9.7	8.6	8.6	8.5	8.2
Fibre Channel	8.0	9.7	8.6	8.6	8.5	8.2
Storage total	8.0	9.7	8.6	8.6	8.5	8.2
Peripherals						
Printers	11.7	12.1	12.3	12.3	11.7	11.1
Smart handheld devices	7.8	10.5	8.8	8.5	8.4	8.1
Other add-ons	13.0	11.9	12.1	11.6	11.7	10.8
Peripherals total	11.6	11.9	11.7	11.4	11.0	10.4
Networking equipment	9.0	9.1	9.1	9.4	9.5	9.6
Hardware total	8.5	9.9	9.0	8.6	8.5	8.2
Packaged software total	9.7	9.9	9.7	9.4	9.0	9.0
Services total	14.3	14.6	14.7	14.5	14.2	14.1
Total IT	10.7	11.5	11.0	10.8	10.6	10.4

Source: IDC, June 2002

Table 417

Saudi Arabia Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.2	0.3	0.3	0.3	0.3	0.3
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.1	0.1	0.1	0.1	0.1	0.1
Training and education	0.2	0.2	0.2	0.2	0.2	0.2
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	0.1	0.1	0.1	0.1	0.2	0.1
Midrange servers	0.2	0.2	0.2	0.2	0.2	0.2
Low-end servers	0.2	0.2	0.2	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.3	0.3	0.3	0.3	0.3	0.3
Personal computers	0.2	0.3	0.3	0.2	0.3	0.3
Traditional workstations	0.1	0.1	0.2	0.2	0.2	0.2
Systems total	0.2	0.2	0.2	0.2	0.2	0.2
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.1
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.3	0.4	0.4	0.4	0.4	0.4
Smart handheld devices	0.1	0.2	0.2	0.2	0.2	0.2
Other add-ons	0.2	0.3	0.3	0.3	0.3	0.3
Peripherals total	0.3	0.3	0.3	0.3	0.3	0.3
Networking equipment	0.2	0.2	0.2	0.2	0.2	0.2
Hardware total	0.2	0.2	0.2	0.2	0.2	0.2
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.2	0.2	0.2	0.2	0.2	0.2
Total IT	0.2	0.2	0.2	0.2	0.2	0.2

Source: IDC, June 2002

Table 418
IT Spending in South Africa, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	280.8	313.4	350.5	395.4	450.2	518.7
Implementation	514.8	567.7	632.8	711.3	800.4	904.2
Support services	237.9	266.0	296.1	331.6	372.8	419.8
Operations management	467.9	540.4	630.9	723.1	822.8	946.5
Training and education	24.3	25.3	26.5	27.5	28.6	29.7
Services total	1,525.7	1,712.8	1,936.8	2,188.9	2,474.7	2,818.9
Packaged software						
System infrastructure software	183.1	212.4	248.5	293.2	345.9	404.8
Appl. development and deployment	154.1	181.9	216.4	259.7	314.3	374.0
Applications	442.7	500.2	570.2	638.7	708.9	779.8
Packaged software total	779.9	894.5	1,035.1	1,191.6	1,369.2	1,558.6
Hardware						
Systems						
High-end servers	35.9	37.0	38.3	39.2	39.7	40.3
Midrange servers	85.7	89.5	94.7	100.2	104.8	109.7
Low-end servers	237.0	252.7	278.7	305.0	328.9	354.7
Standard Intel servers	180.2	192.0	214.6	234.8	256.5	276.7
Other low-end servers	56.9	60.6	64.1	70.1	72.4	78.0
Personal computers	948.6	875.1	1,130.1	1,009.9	1,067.6	1,108.3
Traditional workstations	8.0	7.8	7.5	7.3	7.0	6.6
Systems total	1,315.3	1,262.1	1,549.3	1,461.5	1,548.0	1,619.7
Storage						
Disk systems	48.1	36.4	36.7	45.3	54.0	62.8
Tape	3.9	3.4	3.5	4.6	5.6	5.5
Fibre Channel	1.4	2.2	3.1	3.9	4.8	6.0
Storage total	53.5	42.1	43.3	53.8	64.3	74.4
Peripherals						
Printers	110.9	108.5	107.4	108.8	111.9	116.8
Smart handheld devices	26.8	32.2	51.5	55.4	65.0	75.7
Other add-ons	75.8	78.8	81.9	85.5	89.5	93.4
Peripherals total	213.5	219.5	240.8	249.7	266.4	286.0
Networking equipment	234.4	248.5	264.4	284.0	300.5	315.5
Hardware total	1,816.6	1,772.2	2,097.9	2,048.9	2,179.1	2,295.5
Packaged software total	779.9	894.5	1,035.1	1,191.6	1,369.2	1,558.6
Services total	1,525.7	1,712.8	1,936.8	2,188.9	2,474.7	2,818.9
Total IT	4,122.2	4,379.5	5,069.8	5,429.4	6,023.0	6,673.0

Source: IDC, June 2002

Table 419
Growth in IT Spending in South Africa, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	11.6	11.8	12.8	13.8	15.2	13.4
Implementation	10.3	11.5	12.4	12.5	13.0	12.3
Support services	11.8	11.3	12.0	12.4	12.6	12.1
Operations management	15.5	16.8	14.6	13.8	15.0	15.0
Training and education	4.1	4.6	4.0	4.0	3.7	4.1
Services total	12.3	13.1	13.0	13.1	13.9	13.3
Packaged software						
System infrastructure software	16.0	17.0	18.0	18.0	17.0	17.5
Appl. development and deployment	18.0	19.0	20.0	21.0	19.0	19.7
Applications	13.0	14.0	12.0	11.0	10.0	11.7
Packaged software total	14.7	15.7	15.1	14.9	13.8	14.9
Hardware						
Systems						
High-end servers	3.2	3.5	2.2	1.5	1.5	2.2
Midrange servers	4.4	5.8	5.7	4.6	4.6	5.2
Low-end servers	6.6	10.3	9.4	7.8	7.8	8.9
Standard Intel servers	6.6	11.8	9.4	9.2	7.8	9.6
Other low-end servers	6.6	5.7	9.4	3.2	7.8	6.5
Personal computers	-7.8	29.1	-10.6	5.7	3.8	6.1
Traditional workstations	-2.7	-4.1	-2.9	-4.4	-4.6	-4.0
Systems total	-4.0	22.8	-5.7	5.9	4.6	6.4
Storage						
Disk systems	-24.3	0.7	23.4	19.1	16.5	14.6
Tape	-12.8	2.6	29.0	22.3	-0.5	12.7
Fibre Channel	58.8	39.1	27.3	22.1	25.3	28.3
Storage total	-21.3	2.9	24.1	19.6	15.7	15.3
Peripherals						
Printers	-2.1	-1.0	1.3	2.8	4.5	1.9
Smart handheld devices	20.2	59.9	7.7	17.3	16.5	23.9
Other add-ons	4.0	3.9	4.4	4.7	4.4	4.3
Peripherals total	2.8	9.7	3.7	6.7	7.4	6.8
Networking equipment	6.0	6.4	7.4	5.8	5.0	6.1
Hardware total	-2.4	18.4	-2.3	6.4	5.3	6.7
Packaged software total	14.7	15.7	15.1	14.9	13.8	14.9
Services total	12.3	13.1	13.0	13.1	13.9	13.3
Total IT	6.2	15.8	7.1	10.9	10.8	11.1

Source: IDC, June 2002

Table 420
Proportions of IT Spending Categories in South Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	6.8	7.2	6.9	7.3	7.5	7.8
Implementation	12.5	13.0	12.5	13.1	13.3	13.6
Support services	5.8	6.1	5.8	6.1	6.2	6.3
Operations management	11.4	12.3	12.4	13.3	13.7	14.2
Training and education	0.6	0.6	0.5	0.5	0.5	0.4
Services total	37.0	39.1	38.2	40.3	41.1	42.2
Packaged software						
System infrastructure software	4.4	4.8	4.9	5.4	5.7	6.1
Appl. development and deployment	3.7	4.2	4.3	4.8	5.2	5.6
Applications	10.7	11.4	11.2	11.8	11.8	11.7
Packaged software total	18.9	20.4	20.4	21.9	22.7	23.4
Hardware						
Systems						
High-end servers	0.9	0.8	0.8	0.7	0.7	0.6
Midrange servers	2.1	2.0	1.9	1.8	1.7	1.6
Low-end servers	5.8	5.8	5.5	5.6	5.5	5.3
Standard Intel servers	4.4	4.4	4.2	4.3	4.3	4.1
Other low-end servers	1.4	1.4	1.3	1.3	1.2	1.2
Personal computers	23.0	20.0	22.3	18.6	17.7	16.6
Traditional workstations	0.2	0.2	0.1	0.1	0.1	0.1
Systems total	31.9	28.8	30.6	26.9	25.7	24.3
Storage						
Disk systems	1.2	0.8	0.7	0.8	0.9	0.9
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.1	0.1	0.1	0.1	0.1
Storage total	1.3	1.0	0.9	1.0	1.1	1.1
Peripherals						
Printers	2.7	2.5	2.1	2.0	1.9	1.8
Smart handheld devices	0.6	0.7	1.0	1.0	1.1	1.1
Other add-ons	1.8	1.8	1.6	1.6	1.5	1.4
Peripherals total	5.2	5.0	4.7	4.6	4.4	4.3
Networking equipment	5.7	5.7	5.2	5.2	5.0	4.7
Hardware total	44.1	40.5	41.4	37.7	36.2	34.4
Packaged software total	18.9	20.4	20.4	21.9	22.7	23.4
Services total	37.0	39.1	38.2	40.3	41.1	42.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 421

South Africa Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	47.8	48.1	47.1	46.9	46.8	47.9
Implementation	34.1	33.0	31.5	30.8	30.3	30.4
Support services	20.7	21.6	21.8	21.8	22.0	22.3
Operations management	34.1	35.9	37.2	37.9	38.8	40.6
Training and education	10.6	10.7	10.5	10.4	10.2	10.3
Services total	31.5	32.1	32.0	32.0	32.1	32.9
Packaged software						
System infrastructure software	30.4	31.8	32.5	33.2	33.9	35.2
Appl. development and deployment	31.6	33.6	35.1	37.0	38.4	40.5
Applications	34.4	34.3	33.7	32.6	31.1	30.6
Packaged software total	32.9	33.6	33.7	33.6	33.2	33.7
Hardware						
Systems						
High-end servers	39.5	41.2	40.4	35.4	30.2	33.1
Midrange servers	29.3	28.2	28.0	25.1	22.2	21.6
Low-end servers	30.0	30.9	31.0	30.6	30.3	29.4
Standard Intel servers	34.3	34.2	34.7	35.0	35.2	34.7
Other low-end servers	21.4	23.7	22.7	21.6	20.4	19.0
Personal computers	27.4	22.5	24.1	20.9	20.4	19.5
Traditional workstations	9.6	10.3	10.5	10.8	10.2	10.5
Systems total	27.9	24.3	25.4	22.8	22.1	21.4
Storage						
Disk systems	40.3	36.4	35.0	32.6	30.3	29.4
Tape	40.3	36.4	35.0	32.6	30.3	29.4
Fibre Channel	40.3	36.4	35.0	32.6	30.3	29.4
Storage total	40.3	36.4	35.0	32.6	30.3	29.4
Peripherals						
Printers	15.4	14.3	13.2	12.7	12.0	11.8
Smart handheld devices	27.4	22.5	24.1	20.9	20.4	19.5
Other add-ons	33.8	30.7	28.5	26.0	24.0	22.7
Peripherals total	20.5	18.9	18.4	17.2	16.4	16.0
Networking equipment	24.8	22.7	20.8	20.0	19.0	18.1
Hardware total	26.6	23.4	23.8	21.7	20.9	20.2
Packaged software total	32.9	33.6	33.7	33.6	33.2	33.7
Services total	31.5	32.1	32.0	32.0	32.1	32.9
Total IT	29.3	28.1	28.3	27.4	27.1	27.2

Source: IDC, June 2002

Table 422

South Africa Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.6	0.6	0.6	0.6	0.7	0.7
Implementation	0.5	0.5	0.6	0.6	0.6	0.6
Support services	0.3	0.3	0.3	0.3	0.3	0.3
Operations management	0.3	0.3	0.3	0.4	0.4	0.4
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Packaged software						
System infrastructure software	0.4	0.4	0.4	0.4	0.4	0.5
Appl. development and deployment	0.4	0.4	0.4	0.4	0.5	0.5
Applications	0.5	0.6	0.6	0.6	0.6	0.6
Packaged software total	0.4	0.5	0.5	0.5	0.5	0.5
Hardware						
Systems						
High-end servers	0.3	0.4	0.4	0.4	0.4	0.4
Midrange servers	0.6	0.7	0.7	0.6	0.6	0.6
Low-end servers	0.8	0.8	0.8	0.9	0.9	0.9
Standard Intel servers	0.9	0.9	1.0	0.9	0.9	0.9
Other low-end servers	0.6	0.6	0.6	0.7	0.7	0.8
Personal computers	0.6	0.6	0.7	0.6	0.6	0.6
Traditional workstations	0.2	0.2	0.3	0.3	0.3	0.3
Systems total	0.6	0.6	0.7	0.6	0.6	0.6
Storage						
Disk systems	0.2	0.1	0.1	0.2	0.2	0.2
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.1	0.1	0.1	0.1	0.1	0.1
Storage total	0.2	0.1	0.1	0.1	0.2	0.2
Peripherals						
Printers	0.4	0.4	0.4	0.4	0.4	0.4
Smart handheld devices	0.4	0.4	0.6	0.6	0.6	0.6
Other add-ons	0.6	0.7	0.7	0.6	0.6	0.6
Peripherals total	0.5	0.5	0.5	0.5	0.5	0.5
Networking equipment	0.4	0.4	0.4	0.4	0.4	0.4
Hardware total	0.5	0.5	0.6	0.5	0.5	0.5
Packaged software total	0.4	0.5	0.5	0.5	0.5	0.5
Services total	0.4	0.4	0.4	0.4	0.4	0.4
Total IT	0.4	0.4	0.5	0.5	0.5	0.5

Source: IDC, June 2002

Table 423
IT Spending in Turkey, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	23.4	29.6	39.0	51.6	63.8	66.5
Implementation	65.6	106.5	149.9	202.9	267.8	315.5
Support services	153.4	165.3	191.9	233.8	277.3	333.0
Operations management	41.5	50.5	64.6	79.2	96.0	85.5
Training and education	4.3	4.9	6.6	7.5	9.2	7.2
Services total	288.2	356.8	452.0	574.9	714.2	807.6
Packaged software						
System infrastructure software	48.5	55.0	76.4	102.2	131.7	141.7
Appl. development and deployment	25.0	24.1	31.3	37.6	51.9	46.7
Applications	98.8	135.8	205.8	291.0	422.7	492.1
Packaged software total	172.3	214.9	313.4	430.8	606.3	680.5
Hardware						
Systems						
High-end servers	13.6	15.1	22.3	37.1	50.6	44.2
Midrange servers	22.6	38.6	43.0	87.0	142.7	159.0
Low-end servers	60.9	64.7	86.5	127.8	157.8	219.2
Standard Intel servers	24.5	35.1	42.9	56.6	68.9	88.5
Other low-end servers	36.4	29.7	43.6	71.3	88.9	130.7
Personal computers	320.2	436.0	674.7	728.7	821.5	928.8
Traditional workstations	3.2	3.2	5.3	6.6	11.6	12.0
Systems total	420.5	557.6	831.7	987.2	1,184.2	1,363.2
Storage						
Disk systems	9.4	8.3	9.2	13.8	21.7	29.6
Tape	0.8	0.8	0.9	1.4	2.2	2.6
Fibre Channel	0.3	0.5	0.8	1.2	1.9	2.8
Storage total	10.4	9.6	10.8	16.4	25.9	35.0
Peripherals						
Printers	71.0	78.5	89.0	100.8	119.8	140.1
Smart handheld devices	9.0	16.0	30.7	40.0	50.0	63.5
Other add-ons	23.9	35.5	42.0	56.4	73.5	87.5
Peripherals total	103.9	130.1	161.7	197.1	243.3	291.1
Networking equipment	135.0	227.9	303.4	342.1	396.0	462.5
Hardware total	669.8	925.2	1,307.6	1,542.8	1,849.3	2,151.8
Packaged software total	172.3	214.9	313.4	430.8	606.3	680.5
Services total	288.2	356.8	452.0	574.9	714.2	807.6
Total IT	1,130.3	1,496.9	2,073.1	2,548.5	3,169.8	3,639.9

Source: IDC, June 2002

Table 424
Growth in IT Spending in Turkey, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	26.2	31.9	32.4	23.7	4.1	22.5
Implementation	62.3	40.8	35.3	32.0	17.8	31.2
Support services	7.8	16.0	21.8	18.6	20.1	19.1
Operations management	21.9	27.8	22.5	21.3	-11.0	14.0
Training and education	14.2	36.5	13.0	22.4	-21.5	10.3
Services total	23.8	26.7	27.2	24.2	13.1	22.7
Packaged software						
System infrastructure software	13.2	38.9	33.8	28.9	7.6	26.7
Appl. development and deployment	-3.4	29.9	20.1	38.1	-10.1	18.0
Applications	37.5	51.5	41.4	45.2	16.4	38.0
Packaged software total	24.7	45.9	37.4	40.7	12.2	33.4
Hardware						
Systems						
High-end servers	11.3	47.1	66.6	36.4	-12.5	30.7
Midrange servers	70.8	11.5	102.3	64.0	11.4	42.5
Low-end servers	6.2	33.6	47.8	23.4	38.9	35.7
Standard Intel servers	42.9	22.4	31.9	21.8	28.5	26.1
Other low-end servers	-18.5	46.9	63.6	24.7	47.1	44.9
Personal computers	36.2	54.7	8.0	12.7	13.1	20.8
Traditional workstations	-2.0	66.0	25.0	77.4	2.9	39.5
Systems total	32.6	49.1	18.7	19.9	15.1	25.0
Storage						
Disk systems	-11.9	11.1	50.1	57.4	36.2	37.5
Tape	1.4	13.2	56.9	61.6	16.4	35.2
Fibre Channel	84.8	53.4	54.8	61.3	46.5	53.9
Storage total	-8.4	13.4	51.0	58.0	35.2	38.3
Peripherals						
Printers	10.7	13.3	13.2	18.8	17.0	15.6
Smart handheld devices	77.4	91.6	30.1	25.1	26.9	41.0
Other add-ons	48.6	18.0	34.4	30.4	19.1	25.3
Peripherals total	25.2	24.3	21.9	23.4	19.6	22.3
Networking equipment	68.9	33.1	12.7	15.8	16.8	19.4
Hardware total	38.1	41.3	18.0	19.9	16.4	23.5
Packaged software total	24.7	45.9	37.4	40.7	12.2	33.4
Services total	23.8	26.7	27.2	24.2	13.1	22.7
Total IT	32.4	38.5	22.9	24.4	14.8	24.9

Source: IDC, June 2002

Table 425

Proportions of IT Spending Categories in Turkey, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.1	2.0	1.9	2.0	2.0	1.8
Implementation	5.8	7.1	7.2	8.0	8.4	8.7
Support services	13.6	11.0	9.3	9.2	8.7	9.1
Operations management	3.7	3.4	3.1	3.1	3.0	2.3
Training and education	0.4	0.3	0.3	0.3	0.3	0.2
Services total	25.5	23.8	21.8	22.6	22.5	22.2
Packaged software						
System infrastructure software	4.3	3.7	3.7	4.0	4.2	3.9
Appl. development and deployment	2.2	1.6	1.5	1.5	1.6	1.3
Applications	8.7	9.1	9.9	11.4	13.3	13.5
Packaged software total	15.2	14.4	15.1	16.9	19.1	18.7
Hardware						
Systems						
High-end servers	1.2	1.0	1.1	1.5	1.6	1.2
Midrange servers	2.0	2.6	2.1	3.4	4.5	4.4
Low-end servers	5.4	4.3	4.2	5.0	5.0	6.0
Standard Intel servers	2.2	2.3	2.1	2.2	2.2	2.4
Other low-end servers	3.2	2.0	2.1	2.8	2.8	3.6
Personal computers	28.3	29.1	32.5	28.6	25.9	25.5
Traditional workstations	0.3	0.2	0.3	0.3	0.4	0.3
Systems total	37.2	37.3	40.1	38.7	37.4	37.5
Storage						
Disk systems	0.8	0.6	0.4	0.5	0.7	0.8
Tape	0.1	0.1	0.0	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.0	0.0	0.1	0.1
Storage total	0.9	0.6	0.5	0.6	0.8	1.0
Peripherals						
Printers	6.3	5.2	4.3	4.0	3.8	3.8
Smart handheld devices	0.8	1.1	1.5	1.6	1.6	1.7
Other add-ons	2.1	2.4	2.0	2.2	2.3	2.4
Peripherals total	9.2	8.7	7.8	7.7	7.7	8.0
Networking equipment	11.9	15.2	14.6	13.4	12.5	12.7
Hardware total	59.3	61.8	63.1	60.5	58.3	59.1
Packaged software total	15.2	14.4	15.1	16.9	19.1	18.7
Services total	25.5	23.8	21.8	22.6	22.5	22.2
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 426
Turkey Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	4.0	4.5	5.2	6.1	6.6	6.1
Implementation	4.3	6.2	7.5	8.8	10.1	10.6
Support services	13.3	13.4	14.1	15.4	16.4	17.7
Operations management	3.0	3.4	3.8	4.1	4.5	3.7
Training and education	1.9	2.1	2.6	2.8	3.3	2.5
Services total	5.9	6.7	7.5	8.4	9.3	9.4
Packaged software						
System infrastructure software	8.1	8.2	10.0	11.6	12.9	12.3
Appl. development and deployment	5.1	4.5	5.1	5.4	6.3	5.1
Applications	7.7	9.3	12.2	14.9	18.5	19.3
Packaged software total	7.3	8.1	10.2	12.2	14.7	14.7
Hardware						
Systems						
High-end servers	15.0	16.8	23.5	33.5	38.5	36.3
Midrange servers	7.7	12.2	12.7	21.8	30.2	31.4
Low-end servers	7.7	7.9	9.6	12.8	14.5	18.2
Standard Intel servers	4.7	6.2	6.9	8.4	9.4	11.1
Other low-end servers	13.7	11.6	15.4	21.9	25.0	31.9
Personal computers	9.2	11.2	14.4	15.1	15.7	16.4
Traditional workstations	3.9	4.2	7.4	9.7	17.1	19.0
Systems total	8.9	10.7	13.7	15.4	16.9	18.0
Storage						
Disk systems	7.9	8.3	8.7	9.9	12.2	13.8
Tape	7.9	8.3	8.7	9.9	12.2	13.8
Fibre Channel	7.9	8.3	8.7	9.9	12.2	13.8
Storage total	7.9	8.3	8.7	9.9	12.2	13.8
Peripherals						
Printers	9.9	10.3	11.0	11.7	12.9	14.2
Smart handheld devices	9.2	11.2	14.4	15.1	15.7	16.4
Other add-ons	10.7	13.8	14.6	17.2	19.7	21.2
Peripherals total	10.0	11.2	12.3	13.6	15.0	16.3
Networking equipment	14.3	20.8	23.9	24.1	25.0	26.5
Hardware total	9.8	12.2	14.9	16.3	17.8	18.9
Packaged software total	7.3	8.1	10.2	12.2	14.7	14.7
Services total	5.9	6.7	7.5	8.4	9.3	9.4
Total IT	8.0	9.6	11.6	12.8	14.3	14.8

Source: IDC, June 2002

Table 427
Turkey Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.1	0.1	0.1	0.1	0.1	0.1
Implementation	0.1	0.1	0.1	0.2	0.2	0.2
Support services	0.2	0.2	0.2	0.2	0.2	0.2
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.0	0.0	0.0	0.0	0.0	0.0
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.2	0.2
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.2	0.2	0.3	0.3	0.3
Packaged software total	0.1	0.1	0.1	0.2	0.2	0.2
Hardware						
Systems						
High-end servers	0.1	0.2	0.2	0.4	0.5	0.5
Midrange servers	0.2	0.3	0.3	0.5	0.8	0.9
Low-end servers	0.2	0.2	0.3	0.4	0.4	0.6
Standard Intel servers	0.1	0.2	0.2	0.2	0.3	0.3
Other low-end servers	0.4	0.3	0.4	0.7	0.9	1.3
Personal computers	0.2	0.3	0.4	0.4	0.5	0.5
Traditional workstations	0.1	0.1	0.2	0.2	0.5	0.6
Systems total	0.2	0.3	0.4	0.4	0.5	0.5
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.1	0.1
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.1	0.1
Peripherals						
Printers	0.3	0.3	0.4	0.4	0.4	0.5
Smart handheld devices	0.1	0.2	0.4	0.4	0.4	0.5
Other add-ons	0.2	0.3	0.3	0.4	0.5	0.6
Peripherals total	0.2	0.3	0.4	0.4	0.5	0.5
Networking equipment	0.2	0.4	0.5	0.5	0.5	0.5
Hardware total	0.2	0.3	0.4	0.4	0.4	0.5
Packaged software total	0.1	0.1	0.1	0.2	0.2	0.2
Services total	0.1	0.1	0.1	0.1	0.1	0.1
Total IT	0.1	0.2	0.2	0.2	0.2	0.3

Source: IDC, June 2002

Table 428
IT Spending in the United Arab Emirates, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	11.7	14.5	17.6	21.0	24.8	29.1
Implementation	54.4	67.3	80.5	96.3	112.3	129.4
Support services	48.0	56.0	62.8	70.1	78.9	88.5
Operations management	31.5	36.1	40.4	47.2	55.0	61.0
Training and education	19.2	20.1	21.3	22.3	23.1	23.6
Services total	164.7	194.0	222.7	257.1	294.1	331.7
Packaged software						
System infrastructure software	31.2	34.6	38.3	42.2	46.7	52.6
Appl. development and deployment	23.9	28.1	31.9	35.2	39.5	44.1
Applications	70.1	81.4	91.3	102.2	115.9	129.0
Packaged software total	125.2	144.1	161.6	179.7	202.1	225.7
Hardware						
Systems						
High-end servers	–	1.4	1.2	–	1.1	1.4
Midrange servers	9.7	10.8	11.1	12.7	11.9	13.6
Low-end servers	42.3	40.2	41.1	37.7	37.2	35.8
Standard Intel servers	23.4	22.0	21.6	19.0	19.6	18.9
Other low-end servers	18.9	18.2	19.5	18.7	17.6	16.9
Personal computers	223.3	237.6	252.7	296.1	312.4	322.7
Traditional workstations	1.3	0.9	0.7	0.6	0.5	0.4
Systems total	276.6	290.9	306.7	347.1	363.2	374.0
Storage						
Disk systems	4.8	4.4	5.3	6.9	8.9	10.5
Tape	0.4	0.4	0.5	0.7	0.9	0.9
Fibre Channel	0.1	0.3	0.4	0.6	0.8	1.0
Storage total	5.3	5.1	6.2	8.2	10.6	12.4
Peripherals						
Printers	37.8	40.6	43.0	44.9	46.0	46.6
Smart handheld devices	6.3	8.7	11.5	16.3	19.0	22.0
Other add-ons	12.8	15.0	17.0	19.8	22.5	24.7
Peripherals total	56.9	64.4	71.6	80.9	87.5	93.4
Networking equipment	48.9	55.5	63.3	73.8	81.6	90.1
Hardware total	387.7	415.9	447.8	510.1	542.9	569.9
Packaged software total	125.2	144.1	161.6	179.7	202.1	225.7
Services total	164.7	194.0	222.7	257.1	294.1	331.7
Total IT	677.6	754.0	832.1	946.8	1,039.1	1,127.3

Source: IDC, June 2002

Table 429
Growth in IT Spending in the United Arab Emirates, 2002–2006 (%)

	2002	2003	2004	2005	2006	2002–2006 CAGR
Services						
IT consulting	24.4	21.7	19.3	18.0	17.2	19.0
Implementation	23.8	19.7	19.6	16.5	15.3	17.8
Support services	16.7	12.1	11.7	12.5	12.2	12.1
Operations management	14.6	12.0	16.8	16.4	11.0	14.0
Training and education	4.7	6.2	4.6	3.4	2.3	4.1
Services total	17.8	14.8	15.4	14.4	12.8	14.4
Packaged software						
System infrastructure software	10.8	10.8	10.2	10.5	12.8	11.1
Appl. development and deployment	17.8	13.6	10.4	12.2	11.6	11.9
Applications	16.1	12.2	11.9	13.4	11.3	12.2
Packaged software total	15.1	12.1	11.2	12.5	11.7	11.9
Hardware						
Systems						
High-end servers	–	-18.9	-100.0	–	26.8	-0.2
Midrange servers	10.8	2.8	14.5	-5.8	14.4	6.1
Low-end servers	-4.9	2.2	-8.2	-1.4	-3.7	-2.8
Standard Intel servers	-6.0	-1.7	-11.9	2.9	-3.5	-3.7
Other low-end servers	-3.4	7.0	-4.0	-5.8	-4.0	-1.8
Personal computers	6.4	6.4	17.2	5.5	3.3	8.0
Traditional workstations	-32.4	-22.5	-16.7	-12.7	-13.0	-16.3
Systems total	5.2	5.4	13.2	4.6	3.0	6.5
Storage						
Disk systems	-7.6	19.6	30.9	28.9	17.8	24.2
Tape	6.3	21.9	36.9	32.3	0.7	22.1
Fibre Channel	93.8	65.2	35.0	32.1	26.7	39.0
Storage total	-3.9	22.2	31.7	29.4	17.0	24.9
Peripherals						
Printers	7.4	5.9	4.4	2.4	1.4	3.5
Smart handheld devices	38.6	31.7	41.2	17.1	15.9	26.0
Other add-ons	17.8	13.3	16.0	14.0	9.5	13.2
Peripherals total	13.2	11.1	13.1	8.2	6.7	9.7
Networking equipment	13.5	13.9	16.6	10.6	10.4	12.9
Hardware total	7.3	7.7	13.9	6.4	5.0	8.2
Packaged software total	15.1	12.1	11.2	12.5	11.7	11.9
Services total	17.8	14.8	15.4	14.4	12.8	14.4
Total IT	11.3	10.4	13.8	9.8	8.5	10.6

Source: IDC, June 2002

Table 430
Proportions of IT Spending Categories in the United Arab Emirates, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	1.7	1.9	2.1	2.2	2.4	2.6
Implementation	8.0	8.9	9.7	10.2	10.8	11.5
Support services	7.1	7.4	7.5	7.4	7.6	7.9
Operations management	4.6	4.8	4.9	5.0	5.3	5.4
Training and education	2.8	2.7	2.6	2.4	2.2	2.1
Services total	24.3	25.7	26.8	27.2	28.3	29.4
Packaged software						
System infrastructure software	4.6	4.6	4.6	4.5	4.5	4.7
Appl. development and deployment	3.5	3.7	3.8	3.7	3.8	3.9
Applications	10.3	10.8	11.0	10.8	11.2	11.4
Packaged software total	18.5	19.1	19.4	19.0	19.5	20.0
Hardware						
Systems						
High-end servers	–	0.2	0.1	–	0.1	0.1
Midrange servers	1.4	1.4	1.3	1.3	1.1	1.2
Low-end servers	6.2	5.3	4.9	4.0	3.6	3.2
Standard Intel servers	3.5	2.9	2.6	2.0	1.9	1.7
Other low-end servers	2.8	2.4	2.3	2.0	1.7	1.5
Personal computers	33.0	31.5	30.4	31.3	30.1	28.6
Traditional workstations	0.2	0.1	0.1	0.1	0.0	0.0
Systems total	40.8	38.6	36.9	36.7	34.9	33.2
Storage						
Disk systems	0.7	0.6	0.6	0.7	0.9	0.9
Tape	0.1	0.1	0.1	0.1	0.1	0.1
Fibre Channel	0.0	0.0	0.1	0.1	0.1	0.1
Storage total	0.8	0.7	0.7	0.9	1.0	1.1
Peripherals						
Printers	5.6	5.4	5.2	4.7	4.4	4.1
Smart handheld devices	0.9	1.2	1.4	1.7	1.8	2.0
Other add-ons	1.9	2.0	2.0	2.1	2.2	2.2
Peripherals total	8.4	8.5	8.6	8.5	8.4	8.3
Networking equipment	7.2	7.4	7.6	7.8	7.9	8.0
Hardware total	57.2	55.2	53.8	53.9	52.2	50.6
Packaged software total	18.5	19.1	19.4	19.0	19.5	20.0
Services total	24.3	25.7	26.8	27.2	28.3	29.4
Total IT	100.0	100.0	100.0	100.0	100.0	100.0

Source: IDC, June 2002

Table 431

United Arab Emirates Proportions of the IT Spending in Middle East/Africa, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	2.0	2.2	2.4	2.5	2.6	2.7
Implementation	3.6	3.9	4.0	4.2	4.2	4.3
Support services	4.2	4.6	4.6	4.6	4.7	4.7
Operations management	2.3	2.4	2.4	2.5	2.6	2.6
Training and education	8.4	8.5	8.5	8.4	8.2	8.2
Services total	3.4	3.6	3.7	3.8	3.8	3.9
Packaged software						
System infrastructure software	5.2	5.2	5.0	4.8	4.6	4.6
Appl. development and deployment	4.9	5.2	5.2	5.0	4.8	4.8
Applications	5.5	5.6	5.4	5.2	5.1	5.1
Packaged software total	5.3	5.4	5.3	5.1	4.9	4.9
Hardware						
Systems						
High-end servers	–	1.6	1.2	–	0.9	1.2
Midrange servers	3.3	3.4	3.3	3.2	2.5	2.7
Low-end servers	5.3	4.9	4.6	3.8	3.4	3.0
Standard Intel servers	4.5	3.9	3.5	2.8	2.7	2.4
Other low-end servers	7.1	7.1	6.9	5.8	5.0	4.1
Personal computers	6.4	6.1	5.4	6.1	6.0	5.7
Traditional workstations	1.6	1.2	1.0	0.9	0.7	0.7
Systems total	5.9	5.6	5.0	5.4	5.2	4.9
Storage						
Disk systems	4.0	4.4	5.0	5.0	5.0	4.9
Tape	4.0	4.4	5.0	5.0	5.0	4.9
Fibre Channel	4.0	4.4	5.0	5.0	5.0	4.9
Storage total	4.0	4.4	5.0	5.0	5.0	4.9
Peripherals						
Printers	5.3	5.3	5.3	5.2	4.9	4.7
Smart handheld devices	6.4	6.1	5.4	6.1	6.0	5.7
Other add-ons	5.7	5.8	5.9	6.0	6.1	6.0
Peripherals total	5.5	5.6	5.5	5.6	5.4	5.2
Networking equipment	5.2	5.1	5.0	5.2	5.2	5.2
Hardware total	5.7	5.5	5.1	5.4	5.2	5.0
Packaged software total	5.3	5.4	5.3	5.1	4.9	4.9
Services total	3.4	3.6	3.7	3.8	3.8	3.9
Total IT	4.8	4.8	4.6	4.8	4.7	4.6

Source: IDC, June 2002

Table 432

United Arab Emirates Proportions of the Worldwide IT Spending, 2001–2006 (%)

	2001	2002	2003	2004	2005	2006
Services						
IT consulting	0.0	0.0	0.0	0.0	0.0	0.0
Implementation	0.1	0.1	0.1	0.1	0.1	0.1
Support services	0.1	0.1	0.1	0.1	0.1	0.1
Operations management	0.0	0.0	0.0	0.0	0.0	0.0
Training and education	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Packaged software						
System infrastructure software	0.1	0.1	0.1	0.1	0.1	0.1
Appl. development and deployment	0.1	0.1	0.1	0.1	0.1	0.1
Applications	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Hardware						
Systems						
High-end servers	–	0.0	0.0	–	0.0	0.0
Midrange servers	0.1	0.1	0.1	0.1	0.1	0.1
Low-end servers	0.1	0.1	0.1	0.1	0.1	0.1
Standard Intel servers	0.1	0.1	0.1	0.1	0.1	0.1
Other low-end servers	0.2	0.2	0.2	0.2	0.2	0.2
Personal computers	0.1	0.2	0.2	0.2	0.2	0.2
Traditional workstations	0.0	0.0	0.0	0.0	0.0	0.0
Systems total	0.1	0.1	0.1	0.1	0.1	0.1
Storage						
Disk systems	0.0	0.0	0.0	0.0	0.0	0.0
Tape	0.0	0.0	0.0	0.0	0.0	0.0
Fibre Channel	0.0	0.0	0.0	0.0	0.0	0.0
Storage total	0.0	0.0	0.0	0.0	0.0	0.0
Peripherals						
Printers	0.1	0.2	0.2	0.2	0.2	0.2
Smart handheld devices	0.1	0.1	0.1	0.2	0.2	0.2
Other add-ons	0.1	0.1	0.1	0.1	0.2	0.2
Peripherals total	0.1	0.1	0.2	0.2	0.2	0.2
Networking equipment	0.1	0.1	0.1	0.1	0.1	0.1
Hardware total	0.1	0.1	0.1	0.1	0.1	0.1
Packaged software total	0.1	0.1	0.1	0.1	0.1	0.1
Services total	0.0	0.0	0.0	0.0	0.0	0.0
Total IT	0.1	0.1	0.1	0.1	0.1	0.1

Source: IDC, June 2002

Data Appendix

Tables A1–A29 show forecasts for worldwide IT spending by category and by country from 2001 to 2006.

Table A1

Worldwide IT Consulting Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	364.6	431.5	487.7	561.8	656.3	743.3
China	215.5	348.1	587.8	965.1	1,628.2	2,666.6
Hong Kong	72.1	73.9	80.5	93.8	109.6	123.8
India	148.2	174.6	216.1	279.9	373.8	495.7
Indonesia	10.5	12.9	16.3	21.3	27.9	36.8
Japan	3,943.2	4,212.2	4,578.3	5,036.3	5,353.4	5,806.5
Korea	311.7	405.4	527.0	665.7	841.7	1,049.9
Malaysia	46.2	56.0	69.2	85.6	106.5	132.7
New Zealand	112.3	119.6	129.2	133.6	143.1	149.2
Philippines	45.9	55.3	67.8	86.0	111.9	149.3
Singapore	130.0	141.2	159.1	188.8	225.0	256.9
Taiwan	192.0	208.2	233.5	262.4	297.4	328.3
Thailand	34.7	39.7	47.1	56.3	67.8	82.8
Vietnam	4.5	5.5	6.5	7.7	9.3	10.6
Rest of Asia/Pacific	23.6	27.9	32.8	39.2	47.0	53.8
Asia/Pacific total	5,655.1	6,312.0	7,238.8	8,483.6	9,998.7	12,086.3
Eastern Europe						
Bulgaria	4.1	4.8	5.4	6.2	6.9	7.7
Croatia	8.2	9.4	10.9	12.6	14.1	15.9
Czech Republic	133.9	148.4	166.8	185.9	204.8	225.6
Hungary	100.4	109.7	121.5	135.5	150.8	168.7
Poland	101.1	117.8	137.1	160.9	186.6	213.7
Romania	5.1	6.0	7.5	8.8	10.0	11.3
Russia	169.0	336.5	431.6	539.6	672.2	837.7
Slovakia	20.2	23.4	27.1	31.5	36.6	41.4
Slovenia	8.0	9.1	10.6	11.6	12.9	13.1
Rest of Eastern Europe	38.6	43.5	48.0	52.4	58.1	63.2
Eastern Europe total	588.6	808.6	966.6	1,145.0	1,353.1	1,598.3
Latin America						
Argentina	140.1	59.5	91.7	123.0	156.4	192.0
Brazil	407.2	436.0	500.7	573.8	651.0	728.1
Chile	50.3	51.8	55.3	59.0	62.9	69.3
Colombia	79.5	89.4	101.3	114.6	129.8	147.2
Mexico	292.0	303.8	319.8	344.3	365.9	401.1
Venezuela	86.8	80.1	88.8	99.4	110.6	124.6
Rest of Latin America	79.5	69.7	78.5	89.3	100.5	113.2
Latin America total	1,135.5	1,090.3	1,235.9	1,403.4	1,577.1	1,775.3

Table A1

Worldwide IT Consulting Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	17.3	17.0	17.8	19.4	21.6	20.9
Israel	153.8	162.1	185.3	205.8	228.3	252.4
Saudi Arabia	58.7	65.2	72.0	79.4	88.4	98.3
South Africa	280.8	313.4	350.5	395.4	450.2	518.7
Turkey	23.4	29.6	39.0	51.6	63.8	66.5
United Arab Emirates	11.7	14.5	17.6	21.0	24.8	29.1
Other Gulf States	13.0	18.2	25.1	27.8	34.0	37.5
Rest of Middle East/Africa	28.6	32.3	37.0	42.9	50.2	59.0
Middle East/Africa total	587.3	652.2	744.4	843.5	961.4	1,082.4
North America						
Canada	663.2	698.9	742.1	801.5	873.6	961.0
United States	21,554.5	23,010.2	25,186.3	27,797.5	30,829.0	34,197.3
North America total	22,217.7	23,709.2	25,928.4	28,599.0	31,702.6	35,158.3
Western Europe						
Austria	292.5	317.2	344.3	375.4	409.6	446.3
Belgium	378.8	402.4	441.5	491.1	543.2	599.9
Denmark	340.6	378.5	420.5	469.6	523.9	578.5
Finland	254.2	284.1	320.3	360.4	404.2	446.2
France	3,095.5	3,433.6	3,822.7	4,272.4	4,785.2	5,333.2
Germany	3,125.6	3,368.4	3,667.6	4,036.9	4,454.0	4,905.3
Greece	73.4	82.3	94.7	109.9	127.2	140.5
Ireland	81.3	90.3	100.7	113.9	129.3	140.7
Italy	1,147.5	1,269.5	1,418.0	1,606.0	1,817.3	2,017.9
Netherlands	781.9	852.3	952.4	1,063.0	1,164.1	1,265.2
Norway	348.6	392.2	438.4	485.9	535.9	587.8
Portugal	89.6	99.3	110.4	123.5	138.4	154.0
Spain	555.8	616.9	694.3	786.9	893.2	1,009.3
Sweden	752.8	858.3	986.4	1,111.6	1,251.2	1,389.1
Switzerland	582.5	632.8	689.0	756.7	828.6	898.8
United Kingdom	3,386.8	3,717.6	4,098.2	4,563.3	5,067.7	5,596.5
Western Europe total	15,287.3	16,795.8	18,599.5	20,726.4	23,072.9	25,508.9
Worldwide	45,471.4	49,368.1	54,713.6	61,200.9	68,665.8	77,209.6

Source: IDC, June 2002

Table A2
Worldwide Implementation Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	1,757.1	2,073.0	2,344.1	2,660.3	2,992.7	3,331.4
China	417.0	606.2	879.1	1,309.0	2,058.3	3,277.1
Hong Kong	195.7	199.8	218.2	244.1	271.1	297.4
India	489.0	553.6	653.2	798.8	993.3	1,188.8
Indonesia	18.9	23.6	29.6	38.6	51.0	67.9
Japan	10,083.2	10,438.6	10,915.8	11,664.5	12,199.6	13,232.2
Korea	1,062.2	1,371.3	1,765.2	2,213.0	2,775.9	3,432.3
Malaysia	102.0	119.3	142.1	171.2	206.9	249.0
New Zealand	241.1	257.7	273.9	287.4	307.2	322.8
Philippines	109.0	134.2	168.1	213.4	275.8	362.5
Singapore	335.7	356.0	389.0	438.4	491.5	542.1
Taiwan	355.7	384.1	433.0	490.3	561.0	622.8
Thailand	68.8	79.7	94.1	110.5	130.1	152.7
Vietnam	8.8	11.1	12.9	14.8	17.1	19.1
Rest of Asia/Pacific	46.0	55.4	64.7	74.4	85.7	96.0
Asia/Pacific total	15,290.2	16,663.3	18,383.0	20,728.9	23,417.3	27,194.4
Eastern Europe						
Bulgaria	27.6	31.2	35.0	39.6	44.7	50.3
Croatia	51.8	59.1	67.4	77.1	85.9	97.2
Czech Republic	291.9	321.3	357.2	395.9	434.6	480.5
Hungary	209.9	233.4	260.4	292.8	329.1	366.3
Poland	374.1	423.0	483.0	558.9	646.6	737.9
Romania	30.5	34.5	41.3	50.1	58.3	69.0
Russia	468.1	575.7	704.0	853.3	1,039.5	1,291.3
Slovakia	80.8	92.6	107.7	123.2	142.7	161.5
Slovenia	46.0	51.8	56.6	61.3	67.4	73.3
Rest of Eastern Europe	167.3	195.1	227.1	261.3	303.1	340.6
Eastern Europe total	1,747.8	2,017.8	2,339.6	2,713.5	3,151.9	3,667.9
Latin America						
Argentina	426.0	145.6	228.0	312.5	400.7	490.0
Brazil	1,115.6	1,165.2	1,298.6	1,451.4	1,608.6	1,767.8
Chile	92.3	98.5	111.0	123.9	135.4	148.5
Colombia	138.2	153.5	172.4	193.8	218.2	246.0
Mexico	552.8	570.8	615.8	685.1	749.8	820.4
Venezuela	121.8	111.4	124.3	139.2	157.4	177.8
Rest of Latin America	127.4	142.5	161.4	184.6	208.1	232.9
Latin America total	2,574.2	2,387.5	2,711.3	3,090.4	3,478.3	3,883.5

Table A2
Worldwide Implementation Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	45.5	39.2	43.7	50.6	60.1	59.5
Israel	349.1	361.5	400.7	438.5	482.5	528.6
Saudi Arabia	215.3	262.3	323.6	378.5	432.7	483.2
South Africa	514.8	567.7	632.8	711.3	800.4	904.2
Turkey	65.6	106.5	149.9	202.9	267.8	315.5
United Arab Emirates	54.4	67.3	80.5	96.3	112.3	129.4
Other Gulf States	78.2	95.8	115.6	133.1	152.4	173.1
Rest of Middle East/Africa	187.3	217.8	258.8	295.9	337.3	383.7
Middle East/Africa total	1,510.3	1,718.1	2,005.7	2,307.1	2,645.5	2,977.3
North America						
Canada	4,021.4	4,196.8	4,524.5	4,920.8	5,384.1	5,911.1
United States	43,025.0	45,482.1	49,454.7	54,075.0	59,392.7	64,802.0
North America total	47,046.4	49,678.9	53,979.1	58,995.8	64,776.8	70,713.2
Western Europe						
Austria	534.9	580.6	629.8	683.6	742.7	803.0
Belgium	732.7	761.1	826.7	914.8	1,006.7	1,108.5
Denmark	662.8	729.1	807.7	902.0	1,004.4	1,112.5
Finland	470.6	517.6	576.4	638.4	705.4	772.5
France	5,892.6	6,595.1	7,383.6	8,278.7	9,298.7	10,385.9
Germany	6,066.7	6,527.8	7,106.7	7,853.6	8,702.6	9,616.4
Greece	141.7	156.1	175.0	195.6	217.7	237.5
Ireland	152.9	168.8	186.7	208.1	232.2	251.3
Italy	2,266.0	2,513.1	2,799.4	3,148.0	3,526.9	3,862.3
Netherlands	1,266.3	1,352.5	1,502.8	1,681.3	1,847.6	2,012.3
Norway	668.3	745.8	822.1	901.7	983.4	1,067.8
Portugal	158.1	174.3	192.4	213.1	236.6	261.1
Spain	1,021.7	1,112.6	1,232.6	1,373.0	1,546.4	1,735.3
Sweden	1,554.2	1,761.0	1,970.6	2,192.1	2,448.5	2,700.9
Switzerland	989.7	1,062.3	1,141.0	1,232.9	1,334.1	1,436.3
United Kingdom	6,175.6	6,783.6	7,464.2	8,277.5	9,172.5	10,090.0
Western Europe total	28,754.7	31,541.4	34,817.6	38,694.3	43,006.5	47,453.6
Worldwide	96,923.6	104,007.1	114,236.4	126,530.1	140,476.3	155,889.7

Source: IDC, June 2002

Table A3
Worldwide Support Services Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	779.3	815.6	837.6	861.6	888.1	911.4
China	344.9	497.1	696.6	1,064.4	1,625.5	2,498.2
Hong Kong	159.1	165.7	180.9	203.1	224.8	246.8
India	389.6	445.3	505.0	589.9	699.0	764.5
Indonesia	24.2	28.8	34.5	41.6	50.5	61.5
Japan	8,613.6	8,596.7	8,696.5	8,834.5	9,018.1	9,781.5
Korea	633.0	787.3	999.2	1,230.1	1,501.1	1,768.7
Malaysia	116.8	138.3	161.2	189.6	224.6	265.4
New Zealand	119.7	124.9	127.1	128.9	131.3	133.3
Philippines	59.2	68.9	81.8	98.9	121.0	148.8
Singapore	243.0	268.9	309.4	359.2	412.0	462.8
Taiwan	409.8	453.3	503.7	564.9	641.4	707.7
Thailand	69.4	79.5	91.3	104.3	118.7	134.6
Vietnam	9.0	11.3	13.3	15.0	17.1	18.9
Rest of Asia/Pacific	47.6	57.4	67.2	76.0	86.4	95.7
Asia/Pacific total	12,018.1	12,539.2	13,305.1	14,361.8	15,759.5	17,999.6
Eastern Europe						
Bulgaria	9.8	11.1	12.5	13.8	15.2	16.8
Croatia	24.5	27.7	31.6	36.1	40.2	45.6
Czech Republic	150.2	158.9	172.9	185.9	204.6	224.7
Hungary	106.4	115.3	124.0	136.9	152.3	168.7
Poland	162.9	177.1	194.0	214.8	248.0	282.8
Romania	11.5	12.8	14.3	16.0	17.8	19.8
Russia	279.8	305.8	369.4	446.1	534.4	644.3
Slovakia	32.8	37.5	43.3	49.9	57.7	65.0
Slovenia	22.2	24.6	26.1	28.3	30.2	32.3
Rest of Eastern Europe	79.9	89.3	102.2	117.1	137.6	155.5
Eastern Europe total	880.1	960.2	1,090.3	1,245.0	1,438.0	1,655.4
Latin America						
Argentina	270.5	163.9	200.0	246.0	303.8	363.2
Brazil	1,285.8	1,331.9	1,432.5	1,550.3	1,649.1	1,741.3
Chile	94.8	97.7	105.4	110.3	121.4	135.7
Colombia	141.2	153.1	165.0	177.6	191.4	206.5
Mexico	529.7	583.1	636.9	668.6	722.7	790.2
Venezuela	149.3	137.2	153.0	171.4	190.5	211.5
Rest of Latin America	135.3	157.4	172.9	188.8	205.9	224.2
Latin America total	2,606.7	2,624.4	2,865.7	3,113.1	3,384.8	3,672.6

Table A3
Worldwide Support Services Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	50.5	42.9	44.6	49.0	55.3	54.2
Israel	309.8	313.1	326.0	347.1	375.0	399.6
Saudi Arabia	145.0	162.0	183.6	208.1	228.0	249.6
South Africa	237.9	266.0	296.1	331.6	372.8	419.8
Turkey	153.4	165.3	191.9	233.8	277.3	333.0
United Arab Emirates	48.0	56.0	62.8	70.1	78.9	88.5
Other Gulf States	73.7	79.5	89.1	95.5	105.2	114.1
Rest of Middle East/Africa	131.4	145.7	165.6	183.8	202.2	223.3
Middle East/Africa total	1,149.6	1,230.5	1,359.7	1,518.9	1,694.7	1,881.9
North America						
Canada	1,679.7	1,763.5	1,875.9	1,988.7	2,103.4	2,232.2
United States	43,464.8	47,173.8	52,185.5	57,970.8	64,871.8	72,123.1
North America total	45,144.5	48,937.3	54,061.4	59,959.5	66,975.2	74,355.3
Western Europe						
Austria	594.1	625.3	654.1	689.1	735.7	782.5
Belgium	910.8	934.5	999.5	1,093.4	1,187.0	1,284.9
Denmark	724.7	787.8	862.3	948.0	1,041.0	1,134.4
Finland	460.4	492.9	532.6	579.4	630.0	678.6
France	6,272.5	6,975.8	7,649.3	8,421.1	9,407.2	10,186.8
Germany	6,825.0	7,258.7	7,697.1	8,192.1	8,756.6	9,318.8
Greece	216.8	235.8	259.6	283.2	296.0	309.5
Ireland	147.6	159.2	171.7	192.8	221.3	238.3
Italy	2,594.4	2,822.2	3,064.7	3,423.3	3,858.6	4,208.3
Netherlands	1,304.9	1,433.0	1,578.4	1,719.8	1,847.1	1,973.3
Norway	674.4	739.5	808.9	890.9	989.6	1,083.2
Portugal	165.6	179.8	196.6	215.0	234.8	256.3
Spain	1,071.1	1,177.7	1,295.7	1,436.9	1,585.2	1,729.1
Sweden	1,377.0	1,507.5	1,653.0	1,818.3	2,011.6	2,184.1
Switzerland	1,092.7	1,159.4	1,215.7	1,284.8	1,372.8	1,454.5
United Kingdom	7,543.0	8,296.6	9,031.0	9,867.2	10,909.8	11,756.9
Western Europe total	31,975.0	34,785.6	37,670.2	41,055.2	45,084.3	48,579.6
Worldwide	93,774.0	101,077.2	110,352.2	121,253.5	134,336.5	148,144.4

Source: IDC, June 2002

Table A4
Worldwide Operations Management Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	2,140.9	2,336.5	2,624.5	2,959.5	3,301.7	3,663.3
China	174.9	259.2	388.0	579.1	867.8	1,459.4
Hong Kong	161.8	172.5	203.1	257.6	311.6	365.9
India	130.3	171.0	233.0	342.0	503.0	763.5
Indonesia	11.4	14.1	18.1	23.5	31.9	44.0
Japan	20,105.2	21,992.4	24,389.1	26,996.6	30,533.3	33,117.7
Korea	576.6	837.1	1,115.2	1,409.9	1,839.1	2,333.2
Malaysia	76.6	93.5	114.6	140.9	172.8	211.7
New Zealand	324.4	351.8	367.6	384.9	406.3	424.9
Philippines	55.9	65.9	78.0	94.8	115.7	141.5
Singapore	323.1	418.9	520.6	661.5	822.2	969.7
Taiwan	331.6	387.1	457.6	548.4	663.4	762.3
Thailand	30.9	35.7	43.0	52.3	64.0	79.2
Vietnam	3.7	5.1	6.5	8.3	10.9	13.0
Rest of Asia/Pacific	20.8	27.2	34.5	44.4	58.0	69.2
Asia/Pacific total	24,468.1	27,168.0	30,593.3	34,503.8	39,701.6	44,418.6
Eastern Europe						
Bulgaria	2.6	2.9	3.4	4.0	5.0	6.1
Croatia	2.9	3.4	4.0	5.0	5.7	6.4
Czech Republic	108.4	123.1	140.8	158.7	176.8	195.0
Hungary	58.0	71.4	84.5	99.0	115.2	129.1
Poland	70.9	92.0	108.7	133.7	156.1	178.6
Romania	2.4	3.0	3.8	4.4	5.0	5.6
Russia	30.5	39.8	67.4	90.2	120.8	153.7
Slovakia	9.3	10.9	12.8	15.3	18.0	20.1
Slovenia	3.2	3.9	5.0	5.7	6.0	7.2
Rest of Eastern Europe	14.0	15.5	17.7	20.5	23.4	26.1
Eastern Europe total	302.3	366.0	448.1	536.4	632.0	728.0
Latin America						
Argentina	220.1	102.2	159.9	220.7	295.1	369.1
Brazil	1,496.3	1,666.8	1,929.5	2,225.5	2,550.3	2,900.8
Chile	108.4	116.6	126.8	133.6	146.6	164.5
Colombia	126.9	146.6	167.5	190.2	216.4	243.8
Mexico	343.0	379.2	409.7	436.7	481.0	539.0
Venezuela	246.3	236.0	274.0	316.0	355.9	404.7
Rest of Latin America	178.1	143.5	163.0	186.9	215.2	250.4
Latin America total	2,719.0	2,790.8	3,230.5	3,709.6	4,260.4	4,872.2

Table A4

Worldwide Operations Management Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	23.3	20.1	20.8	22.4	24.7	23.7
Israel	501.7	522.9	578.1	643.4	697.5	750.3
Saudi Arabia	212.3	225.0	237.4	251.8	268.4	296.2
South Africa	467.9	540.4	630.9	723.1	822.8	946.5
Turkey	41.5	50.5	64.6	79.2	96.0	85.5
United Arab Emirates	31.5	36.1	40.4	47.2	55.0	61.0
Other Gulf States	60.3	70.5	79.8	89.5	95.8	101.4
Rest of Middle East/Africa	33.2	38.3	44.9	52.9	60.2	68.6
Middle East/Africa total	1,371.6	1,503.8	1,697.0	1,909.4	2,120.5	2,333.2
North America						
Canada	3,571.7	4,027.0	4,527.9	5,137.9	5,733.9	6,334.0
United States	76,804.1	84,898.7	94,425.5	104,822.5	115,354.7	126,762.3
North America total	80,375.7	88,925.7	98,953.4	109,960.4	121,088.6	133,096.3
Western Europe						
Austria	844.5	905.2	979.0	1,067.3	1,163.4	1,257.3
Belgium	727.2	804.2	910.8	1,031.8	1,155.0	1,287.5
Denmark	708.2	776.8	852.4	937.7	1,032.9	1,119.7
Finland	393.4	438.3	484.5	537.4	595.8	649.6
France	7,867.3	8,668.1	9,542.5	10,537.5	11,482.2	12,498.5
Germany	8,722.3	9,565.4	10,518.6	11,621.5	12,799.6	14,111.7
Greece	39.4	43.8	49.3	55.8	62.1	70.0
Ireland	232.0	258.6	290.8	330.8	366.7	400.5
Italy	4,449.0	4,921.7	5,506.4	6,199.3	6,899.7	7,641.9
Netherlands	2,192.3	2,634.3	3,060.2	3,477.2	3,832.9	4,196.7
Norway	598.3	668.7	733.4	796.6	863.2	938.5
Portugal	201.1	219.4	242.1	269.5	299.1	330.3
Spain	1,331.2	1,439.8	1,575.5	1,744.4	1,927.8	2,122.5
Sweden	1,185.1	1,335.3	1,491.4	1,634.9	1,788.4	1,946.3
Switzerland	1,598.9	1,716.2	1,856.9	2,030.0	2,181.8	2,327.2
United Kingdom	8,964.1	9,910.7	11,032.3	12,390.7	13,668.6	14,954.1
Western Europe total	40,054.1	44,306.4	49,126.1	54,662.2	60,119.1	65,852.2
Worldwide	149,290.8	165,060.7	184,048.5	205,281.8	227,922.3	251,300.5

Source: IDC, June 2002

Table A5
Worldwide Training and Education Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	118.7	131.3	148.1	163.4	181.3	199.1
China	83.5	117.2	170.1	219.0	306.5	464.4
Hong Kong	73.7	83.0	95.2	108.9	120.6	133.7
India	54.7	61.3	70.2	86.7	108.3	194.8
Indonesia	10.3	14.3	19.2	23.7	28.8	35.0
Japan	2,767.1	2,947.1	3,204.1	3,510.6	3,673.8	3,984.8
Korea	106.5	139.1	176.7	225.3	285.9	360.7
Malaysia	45.2	53.9	65.3	80.2	100.2	126.0
New Zealand	52.3	56.2	59.7	61.7	63.9	66.0
Philippines	27.0	32.5	39.0	49.3	64.0	83.9
Singapore	157.9	181.9	208.8	239.0	264.8	293.6
Taiwan	149.1	162.8	179.2	202.2	230.1	254.7
Thailand	33.8	39.1	46.5	55.3	65.7	78.2
Vietnam	4.1	5.1	5.8	6.8	8.1	9.1
Rest of Asia/Pacific	22.0	25.7	29.5	34.7	40.9	46.4
Asia/Pacific total	3,705.9	4,050.5	4,517.3	5,066.8	5,542.9	6,330.4
Eastern Europe						
Bulgaria	1.1	1.2	1.4	1.6	1.8	2.0
Croatia	3.5	3.8	4.4	4.9	5.4	6.2
Czech Republic	24.1	27.3	31.3	35.6	39.2	43.3
Hungary	29.8	32.6	35.7	37.9	41.8	45.7
Poland	45.2	49.9	56.8	64.8	74.8	85.6
Romania	2.6	3.3	4.0	4.6	5.1	5.6
Russia	54.3	56.4	62.4	68.6	74.8	83.7
Slovakia	14.7	16.9	19.3	22.3	25.7	29.2
Slovenia	2.0	2.1	2.0	2.0	2.1	2.1
Rest of Eastern Europe	13.8	15.1	16.1	17.2	17.9	19.3
Eastern Europe total	191.1	208.5	233.5	259.3	288.7	322.6
Latin America						
Argentina	28.0	10.6	14.5	19.2	24.1	29.7
Brazil	171.0	181.5	209.1	243.3	276.2	309.4
Chile	21.0	23.5	23.3	26.0	29.1	32.0
Colombia	19.0	22.3	26.6	31.3	35.2	39.7
Mexico	82.7	87.1	91.9	102.6	114.7	126.2
Venezuela	21.0	19.4	21.4	23.7	26.5	29.1
Rest of Latin America	18.8	24.3	27.3	31.6	36.0	40.4
Latin America total	361.5	368.8	414.1	477.7	541.7	606.4

Table A5

Worldwide Training and Education Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	20.7	15.1	14.6	14.6	14.9	13.1
Israel	75.6	75.3	79.8	85.2	90.9	96.5
Saudi Arabia	60.1	67.2	71.5	74.2	76.5	78.0
South Africa	24.3	25.3	26.5	27.5	28.6	29.7
Turkey	4.3	4.9	6.6	7.5	9.2	7.2
United Arab Emirates	19.2	20.1	21.3	22.3	23.1	23.6
Other Gulf States	10.9	11.1	11.4	11.1	12.0	12.1
Rest of Middle East/Africa	14.3	16.7	20.0	22.0	25.5	28.9
Middle East/Africa total	229.4	235.8	251.7	264.4	280.7	289.2
North America						
Canada	650.9	707.3	770.6	849.1	940.9	1,046.4
United States	13,147.8	14,449.7	16,221.0	18,461.0	21,102.3	24,182.0
North America total	13,798.7	15,157.0	16,991.6	19,310.1	22,043.2	25,228.4
Western Europe						
Austria	178.6	190.1	202.8	216.4	236.2	248.3
Belgium	317.9	332.6	357.0	382.7	414.3	446.6
Denmark	299.0	322.1	349.9	386.4	426.5	468.7
Finland	163.6	177.1	189.7	202.4	215.8	230.0
France	1,339.6	1,407.9	1,477.7	1,557.7	1,678.0	1,805.4
Germany	1,931.1	1,999.2	2,074.4	2,161.1	2,268.8	2,392.6
Greece	26.3	28.3	30.5	33.1	34.8	36.5
Ireland	48.9	53.2	57.8	61.9	69.0	74.0
Italy	617.3	658.9	700.0	754.0	810.7	874.8
Netherlands	500.8	537.4	583.2	643.8	723.5	810.9
Norway	238.4	260.6	289.9	323.1	359.1	398.3
Portugal	43.0	45.4	47.8	50.3	53.4	56.3
Spain	286.5	310.1	334.9	363.0	392.0	423.2
Sweden	416.4	463.5	520.2	579.1	647.6	717.3
Switzerland	281.5	296.7	311.8	329.7	355.0	384.2
United Kingdom	1,353.4	1,408.1	1,479.0	1,563.9	1,685.2	1,805.4
Western Europe total	8,042.4	8,491.1	9,006.6	9,608.5	10,369.8	11,172.4
Worldwide	26,329.1	28,511.6	31,414.8	34,986.8	39,067.0	43,949.2

Source: IDC, June 2002

Table A6

Worldwide System Infrastructure Software Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	527.2	622.1	732.9	876.7	1,064.2	1,304.3
China	613.9	784.7	1,021.2	1,337.7	1,766.9	2,414.4
Hong Kong	97.7	113.9	136.8	166.6	204.1	251.6
India	96.7	116.4	138.9	168.4	206.8	256.2
Indonesia	19.1	21.9	25.6	30.4	36.3	42.7
Japan	5,161.7	5,451.9	5,849.1	6,345.9	6,891.9	7,462.3
Korea	387.7	477.7	620.6	828.2	1,119.8	1,527.5
Malaysia	81.8	94.1	111.6	133.4	159.4	190.2
New Zealand	124.6	136.9	148.1	156.2	162.7	165.6
Philippines	35.3	41.7	49.9	59.9	71.3	84.8
Singapore	146.0	175.3	207.4	252.6	313.2	393.6
Taiwan	130.4	152.7	176.2	209.1	253.8	314.1
Thailand	36.1	41.2	48.5	58.0	69.6	84.5
Vietnam	17.4	21.6	26.5	32.1	38.1	44.8
Rest of Asia/Pacific	40.1	47.1	56.7	68.0	80.6	95.8
Asia/Pacific total	7,515.7	8,299.2	9,349.9	10,723.1	12,438.9	14,632.4
Eastern Europe						
Bulgaria	8.7	9.6	10.7	11.9	13.4	15.0
Croatia	17.8	19.5	21.8	24.1	26.7	29.6
Czech Republic	118.6	134.1	151.3	169.8	190.7	213.0
Hungary	91.5	101.3	112.3	124.2	137.2	152.2
Poland	151.4	173.5	198.8	227.1	259.1	294.8
Romania	12.1	13.8	15.6	17.6	19.8	22.1
Russia	72.0	82.0	91.0	100.0	109.9	121.3
Slovakia	27.3	29.2	32.3	35.4	38.7	42.6
Slovenia	18.1	20.1	22.3	24.5	27.0	29.7
Rest of Eastern Europe	57.6	63.6	73.2	83.3	96.2	104.1
Eastern Europe total	575.1	646.8	729.4	817.8	918.6	1,024.4
Latin America						
Argentina	127.6	60.1	89.4	119.1	141.0	156.2
Brazil	459.0	477.3	498.8	517.7	535.9	552.5
Chile	25.8	28.2	30.7	33.1	35.2	37.0
Colombia	27.8	30.2	33.4	36.3	39.4	42.2
Mexico	98.0	104.4	113.5	122.4	131.0	140.2
Venezuela	40.8	44.0	48.9	53.5	58.2	63.0
Rest of Latin America	63.2	66.5	72.6	78.8	85.0	91.2
Latin America total	842.1	810.7	887.3	961.0	1,025.6	1,082.2

Table A6
Worldwide System Infrastructure Software Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	25.8	28.1	32.2	35.7	40.4	45.6
Israel	167.8	175.1	190.8	210.7	233.7	258.4
Saudi Arabia	49.3	55.0	61.2	68.3	75.7	83.7
South Africa	183.1	212.4	248.5	293.2	345.9	404.8
Turkey	48.5	55.0	76.4	102.2	131.7	141.7
United Arab Emirates	31.2	34.6	38.3	42.2	46.7	52.6
Other Gulf States	24.4	28.0	31.8	35.9	40.7	45.1
Rest of Middle East/Africa	71.3	79.2	86.1	95.3	106.5	118.5
Middle East/Africa total	601.4	667.2	765.2	883.5	1,021.3	1,150.4
North America						
Canada	1,326.2	1,437.0	1,567.1	1,754.7	1,972.5	2,223.8
United States	26,216.0	28,699.4	32,194.9	36,113.7	40,519.3	45,038.8
North America total	27,542.2	30,136.4	33,762.0	37,868.4	42,491.8	47,262.6
Western Europe						
Austria	309.0	317.1	338.9	376.7	432.0	492.8
Belgium	481.5	485.8	508.7	581.8	645.0	709.3
Denmark	237.0	259.5	277.8	333.6	390.5	432.4
Finland	237.0	256.6	294.1	343.4	391.0	429.9
France	2,529.9	2,572.4	2,717.6	3,180.8	3,336.0	3,694.9
Germany	3,230.5	3,353.1	3,619.7	4,187.1	4,681.2	5,227.0
Greece	61.3	65.0	73.5	88.7	104.3	116.8
Ireland	93.9	98.8	106.7	126.4	141.9	157.2
Italy	879.7	946.4	1,024.9	1,223.1	1,404.0	1,514.8
Netherlands	872.6	876.0	937.1	1,119.1	1,289.9	1,428.3
Norway	240.0	255.1	279.5	332.5	377.7	413.4
Portugal	87.9	93.9	104.9	124.4	146.8	163.1
Spain	487.6	525.5	572.7	666.2	761.4	869.4
Sweden	438.0	507.6	568.8	656.4	750.3	821.7
Switzerland	543.9	570.4	601.5	703.4	795.2	866.2
United Kingdom	2,871.3	3,105.0	3,362.1	3,965.6	4,555.6	5,049.1
Western Europe total	13,601.0	14,288.3	15,388.4	18,009.5	20,202.7	22,386.4
Worldwide	50,677.5	54,848.6	60,882.1	69,263.4	78,099.0	87,538.4

Source: IDC, June 2002

Table A7

Worldwide Application Development and Deployment Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	493.0	559.1	657.7	788.8	936.1	1,110.4
China	296.4	399.5	565.0	810.9	1,138.9	1,534.4
Hong Kong	70.0	79.9	100.3	129.2	162.3	196.3
India	55.4	64.0	77.6	97.6	118.9	143.7
Indonesia	13.5	14.9	17.1	20.3	24.0	28.5
Japan	3,746.9	3,973.8	4,240.2	4,602.2	5,143.2	5,720.6
Korea	293.4	336.2	402.9	489.9	594.2	709.0
Malaysia	67.2	75.0	88.1	105.5	124.8	146.6
New Zealand	74.6	79.1	83.4	87.0	91.6	96.8
Philippines	19.5	21.6	25.3	29.8	34.8	40.5
Singapore	126.8	146.0	176.3	217.5	264.6	311.9
Taiwan	124.7	146.9	179.7	223.8	277.5	337.4
Thailand	28.5	32.0	38.1	46.9	55.8	64.9
Vietnam	5.1	6.1	7.4	9.1	10.7	12.4
Rest of Asia/Pacific	22.3	24.9	29.1	34.5	40.6	50.0
Asia/Pacific total	5,437.2	5,959.1	6,688.1	7,692.9	9,018.1	10,503.3
Eastern Europe						
Bulgaria	4.0	4.6	5.3	6.0	6.8	7.7
Croatia	15.8	17.8	19.8	22.1	24.6	27.3
Czech Republic	70.4	80.5	91.6	104.2	118.1	132.4
Hungary	73.1	83.6	95.5	108.8	123.5	139.2
Poland	99.4	112.6	127.7	144.5	163.3	184.2
Romania	5.4	6.6	7.7	9.0	10.4	11.9
Russia	91.0	102.0	115.0	128.4	144.2	161.3
Slovakia	20.3	23.0	25.6	28.6	32.0	35.6
Slovenia	14.7	16.4	18.3	20.3	22.5	24.9
Rest of Eastern Europe	47.1	52.5	59.2	66.1	74.9	82.1
Eastern Europe total	441.3	499.6	565.7	638.0	720.3	806.6
Latin America						
Argentina	119.7	53.7	85.0	116.8	149.9	176.7
Brazil	827.3	850.5	876.8	900.5	922.1	943.3
Chile	32.1	33.9	35.9	37.7	38.9	39.8
Colombia	52.9	57.7	62.5	67.5	72.5	77.2
Mexico	227.8	226.9	222.1	230.6	242.2	254.1
Venezuela	74.4	82.1	89.9	97.2	105.0	112.5
Rest of Latin America	114.4	128.6	138.9	153.6	166.0	178.9
Latin America total	1,448.7	1,433.4	1,511.1	1,603.8	1,696.7	1,782.6

Table A7

Worldwide Application Development and Deployment Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	21.9	23.4	26.0	28.1	31.6	35.1
Israel	137.7	142.3	152.4	167.2	184.2	202.6
Saudi Arabia	39.2	45.5	52.3	59.6	67.1	75.2
South Africa	154.1	181.9	216.4	259.7	314.3	374.0
Turkey	25.0	24.1	31.3	37.6	51.9	46.7
United Arab Emirates	23.9	28.1	31.9	35.2	39.5	44.1
Other Gulf States	25.0	28.8	32.0	35.5	40.8	45.4
Rest of Middle East/Africa	60.6	66.7	73.5	79.8	89.8	100.4
Middle East/Africa total	487.3	540.7	615.8	702.8	819.2	923.4
North America						
Canada	1,249.1	1,329.6	1,453.9	1,671.5	1,935.6	2,246.2
United States	20,829.5	22,620.0	25,552.1	29,401.8	33,585.2	37,156.9
North America total	22,078.6	23,949.6	27,006.1	31,073.2	35,520.8	39,403.1
Western Europe						
Austria	275.9	292.7	302.3	337.0	385.2	429.4
Belgium	356.3	386.0	419.5	490.4	563.2	633.9
Denmark	265.5	277.2	286.9	336.3	386.0	429.1
Finland	237.0	250.0	276.9	320.7	363.8	407.6
France	1,926.7	2,102.3	2,244.1	2,624.7	3,260.5	3,638.9
Germany	2,549.8	2,672.9	2,973.3	3,654.2	4,351.8	4,897.9
Greece	80.4	79.5	80.7	92.8	104.7	114.6
Ireland	88.5	93.1	98.6	116.1	130.3	144.9
Italy	1,002.2	1,077.1	1,165.2	1,321.7	1,499.5	1,741.1
Netherlands	950.9	997.9	1,054.2	1,228.7	1,383.6	1,544.0
Norway	217.4	231.0	248.5	296.1	336.4	378.3
Portugal	94.3	99.2	104.5	122.5	138.5	156.9
Spain	419.0	457.1	493.0	590.3	677.8	777.1
Sweden	451.0	485.5	514.9	602.6	691.7	781.4
Switzerland	414.7	469.5	530.7	609.1	699.4	773.9
United Kingdom	2,600.4	2,726.9	2,978.9	3,460.9	3,979.9	4,429.4
Western Europe total	11,930.1	12,698.0	13,772.2	16,204.2	18,952.0	21,278.3
Worldwide	41,823.1	45,080.5	50,159.1	57,915.0	66,727.1	74,697.4

Source: IDC, June 2002

Table A8
Worldwide Applications Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	1,144.1	1,291.5	1,491.7	1,768.8	2,126.1	2,652.5
China	810.7	1,157.8	1,671.8	2,398.0	3,363.0	4,621.1
Hong Kong	195.3	209.8	234.0	269.4	317.3	383.1
India	184.6	210.0	240.0	279.5	331.2	401.9
Indonesia	30.2	33.4	38.7	46.7	57.6	70.4
Japan	5,698.1	6,108.0	6,493.9	7,082.8	7,769.6	8,596.6
Korea	662.9	761.0	894.7	1,064.1	1,287.8	1,546.8
Malaysia	195.5	215.4	239.4	273.1	318.1	370.0
New Zealand	145.3	148.9	152.2	156.1	163.2	173.0
Philippines	63.0	70.1	79.6	92.7	110.6	131.3
Singapore	329.5	374.5	426.3	494.1	580.8	698.8
Taiwan	260.3	295.4	337.1	395.4	475.0	590.3
Thailand	83.1	91.5	104.7	123.0	147.2	179.3
Vietnam	6.1	6.9	7.8	9.3	11.3	14.3
Rest of Asia/Pacific	40.3	43.6	49.4	58.3	71.0	90.0
Asia/Pacific total	9,849.2	11,017.9	12,461.4	14,511.2	17,129.9	20,519.4
Eastern Europe						
Bulgaria	18.4	22.8	27.3	31.5	36.2	41.3
Croatia	44.0	49.3	56.5	63.4	70.6	78.4
Czech Republic	176.0	203.5	233.8	268.1	305.6	346.7
Hungary	161.0	183.9	210.2	239.0	269.8	303.4
Poland	261.7	301.0	345.6	394.6	448.7	508.4
Romania	29.2	34.3	39.8	43.2	48.0	54.0
Russia	268.0	308.0	348.0	390.0	439.1	492.2
Slovakia	54.0	61.5	69.6	77.3	85.5	95.6
Slovenia	39.0	45.0	52.0	59.9	66.0	75.3
Rest of Eastern Europe	144.4	169.3	198.7	229.2	260.7	292.6
Eastern Europe total	1,195.8	1,378.5	1,581.5	1,796.2	2,030.2	2,287.9
Latin America						
Argentina	136.9	59.0	95.3	129.2	163.0	199.5
Brazil	491.8	527.1	572.6	617.1	659.9	700.7
Chile	65.9	71.1	77.3	83.6	88.6	93.5
Colombia	94.8	102.0	115.5	128.4	140.7	152.8
Mexico	320.0	336.0	346.8	354.7	358.6	362.9
Venezuela	87.3	92.6	100.3	109.3	117.4	124.8
Rest of Latin America	40.3	44.3	48.5	52.6	56.7	60.2
Latin America total	1,237.0	1,232.1	1,356.3	1,475.0	1,584.9	1,694.4

Table A8

Worldwide Applications Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	78.1	89.8	101.8	119.4	139.4	160.6
Israel	274.7	282.7	300.5	325.6	353.5	382.3
Saudi Arabia	142.4	162.7	185.1	206.1	229.3	254.6
South Africa	442.7	500.2	570.2	638.7	708.9	779.8
Turkey	98.8	135.8	205.8	291.0	422.7	492.1
United Arab Emirates	70.1	81.4	91.3	102.2	115.9	129.0
Other Gulf States	60.5	72.4	87.1	100.2	114.1	128.4
Rest of Middle East/Africa	117.8	132.5	149.8	173.3	197.9	219.6
Middle East/Africa total	1,285.1	1,457.5	1,691.7	1,956.5	2,281.8	2,546.5
North America						
Canada	2,384.1	2,603.5	2,889.2	3,274.9	3,738.4	4,279.0
United States	41,888.2	45,855.3	50,577.5	56,355.9	63,127.7	70,135.6
North America total	44,272.3	48,458.9	53,466.7	59,630.8	66,866.0	74,414.6
Western Europe						
Austria	518.7	551.8	577.8	656.2	742.3	837.7
Belgium	746.0	792.0	856.8	1,005.7	1,128.7	1,254.8
Denmark	550.9	572.1	569.3	654.1	731.2	814.6
Finland	403.8	443.8	506.3	593.7	677.5	754.8
France	3,920.5	4,195.7	4,507.2	5,316.1	5,992.2	6,662.0
Germany	5,757.1	5,906.7	6,334.5	7,384.6	8,304.8	9,234.4
Greece	113.6	123.1	134.0	155.9	181.7	204.4
Ireland	178.8	188.2	197.3	227.5	255.4	284.5
Italy	1,830.0	1,936.4	2,062.5	2,387.0	2,712.5	3,029.6
Netherlands	1,738.0	1,822.1	1,913.2	2,220.0	2,527.8	2,810.4
Norway	448.3	476.4	507.3	584.9	664.4	733.7
Portugal	175.1	185.5	197.1	233.5	268.6	300.2
Spain	899.3	970.9	1,032.2	1,192.9	1,349.9	1,538.2
Sweden	967.0	1,013.2	1,070.8	1,190.4	1,347.1	1,497.7
Switzerland	997.7	1,019.3	1,079.1	1,236.1	1,407.6	1,544.6
United Kingdom	5,320.0	5,625.7	6,019.6	6,993.8	7,910.5	8,749.4
Western Europe total	24,564.8	25,823.1	27,564.9	32,032.3	36,202.3	40,250.9
Worldwide	82,404.2	89,368.0	98,122.5	111,402.1	126,095.0	141,713.6

Source: IDC, June 2002

Table A9

Worldwide High-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	46.0	40.4	42.9	41.9	41.4	41.1
China	134.6	122.7	113.2	117.3	107.4	102.3
Hong Kong	20.5	12.4	11.9	11.1	11.4	12.2
India	2.6	6.2	11.0	4.5	8.0	7.7
Indonesia	10.7	11.0	5.8	8.9	7.8	6.4
Japan	2,124.4	1,634.3	1,459.9	1,403.3	1,395.6	1,384.3
Korea	204.5	188.8	199.7	192.6	188.3	181.7
Malaysia	3.2	7.8	12.5	8.4	8.4	7.8
New Zealand	2.4	1.2	3.6	2.3	1.1	2.3
Philippines	2.9	4.8	5.8	4.4	5.9	5.6
Singapore	37.5	25.4	27.0	23.5	20.3	15.7
Taiwan	43.8	37.5	41.1	39.2	44.2	45.0
Thailand	4.8	4.7	6.9	2.2	4.4	3.2
Vietnam	–	–	–	–	–	–
Rest of Asia/Pacific	15.8	11.9	13.3	12.0	14.4	11.9
Asia/Pacific total	2,653.7	2,109.3	1,954.8	1,871.5	1,858.5	1,827.1
Eastern Europe						
Bulgaria	–	1.3	–	1.2	1.3	–
Croatia	2.6	1.3	2.4	2.4	3.7	1.2
Czech Republic	1.5	3.1	4.5	1.5	2.9	2.4
Hungary	4.4	3.0	1.5	4.3	2.9	3.2
Poland	9.4	7.3	12.1	14.3	4.7	6.2
Romania	1.4	1.4	1.3	–	1.2	2.5
Russia	27.5	21.5	22.4	25.5	27.7	31.6
Slovakia	1.4	–	–	1.2	–	1.5
Slovenia	1.2	1.3	3.9	1.3	2.5	–
Rest of Eastern Europe	2.2	2.2	3.4	4.3	5.7	6.6
Eastern Europe total	51.7	42.4	51.4	56.0	52.7	55.2
Latin America						
Argentina	3.4	3.3	14.3	14.3	11.9	9.8
Brazil	382.7	284.0	282.2	276.7	273.7	273.2
Chile	–	1.3	1.1	1.5	–	–
Colombia	3.0	4.5	4.6	5.5	4.1	4.1
Mexico	47.3	43.5	58.7	64.6	71.6	77.9
Venezuela	15.4	8.2	4.6	3.4	2.1	2.1
Rest of Latin America	37.3	37.0	36.1	35.2	34.4	33.5
Latin America total	489.1	381.7	401.6	401.2	397.8	400.7

Table A9
Worldwide High-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	7.8	6.6	5.5	4.7	4.3	3.8
Israel	12.2	11.3	10.9	10.6	10.5	10.7
Saudi Arabia	14.6	9.5	9.8	7.6	15.7	10.6
South Africa	35.9	37.0	38.3	39.2	39.7	40.3
Turkey	13.6	15.1	22.3	37.1	50.6	44.2
United Arab Emirates	–	1.4	1.2	–	1.1	1.4
Other Gulf States	1.1	3.3	1.7	4.0	2.2	2.1
Rest of Middle East/Africa	5.7	5.7	5.2	7.4	7.2	8.6
Middle East/Africa total	90.9	90.0	94.8	110.6	131.4	121.8
North America						
Canada	247.5	250.2	234.6	235.8	254.4	313.8
United States	4,034.4	3,457.5	3,627.2	3,744.8	4,058.8	4,212.9
North America total	4,281.8	3,707.7	3,861.8	3,980.6	4,313.1	4,526.7
Western Europe						
Austria	42.1	26.8	27.5	25.1	23.9	23.0
Belgium	88.8	30.1	26.3	23.9	24.5	25.5
Denmark	46.4	50.9	46.8	48.4	47.7	47.1
Finland	6.2	8.1	7.7	6.6	6.6	6.9
France	521.0	612.1	606.2	596.9	608.9	624.8
Germany	1,272.0	1,305.8	1,265.5	1,175.5	1,164.6	1,160.4
Greece	1.0	–	–	–	0.0	0.0
Ireland	13.9	13.5	9.2	9.1	9.7	10.1
Italy	232.9	254.2	210.1	218.5	222.4	228.6
Netherlands	88.6	106.8	102.7	95.0	92.2	93.1
Norway	27.2	30.4	32.4	31.2	31.8	33.2
Portugal	12.8	13.2	10.8	10.1	10.4	10.9
Spain	57.4	72.3	69.7	68.4	69.7	72.3
Sweden	22.3	31.9	32.4	30.0	29.6	30.8
Switzerland	94.1	174.6	137.2	91.1	89.6	91.8
United Kingdom	483.6	477.5	430.1	406.4	415.7	426.1
Western Europe total	3,010.3	3,208.3	3,014.5	2,836.3	2,847.5	2,884.5
Worldwide	10,577.5	9,539.5	9,378.9	9,256.3	9,601.0	9,815.9

Source: IDC, June 2002

Table A10

Worldwide Midrange Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	179.5	196.2	214.7	230.7	247.9	266.9
China	414.0	481.5	552.3	611.6	680.1	740.1
Hong Kong	78.2	79.9	85.0	90.1	93.0	96.1
India	58.3	60.5	67.4	82.7	89.6	101.8
Indonesia	30.9	30.9	37.3	39.6	44.3	48.5
Japan	2,110.5	2,318.5	2,407.4	2,559.0	2,802.7	2,866.2
Korea	442.1	473.1	555.5	610.7	662.9	700.9
Malaysia	69.9	70.6	74.2	85.0	88.2	91.8
New Zealand	19.2	21.2	23.0	24.0	26.0	27.0
Philippines	24.2	24.6	27.3	30.4	31.1	34.1
Singapore	95.9	116.7	126.3	142.0	156.1	171.2
Taiwan	117.6	133.3	145.9	145.4	147.4	155.2
Thailand	47.7	52.9	53.4	59.1	60.1	60.8
Vietnam	1.8	2.3	2.2	2.4	2.6	2.7
Rest of Asia/Pacific	31.2	34.1	36.4	43.8	50.2	53.7
Asia/Pacific total	3,721.1	4,096.3	4,408.2	4,756.6	5,182.2	5,417.2
Eastern Europe						
Bulgaria	7.9	8.7	9.2	9.6	9.0	8.7
Croatia	5.1	5.4	6.1	6.9	7.3	8.5
Czech Republic	57.3	62.2	67.4	71.9	74.4	75.0
Hungary	38.8	43.0	44.2	45.8	47.5	46.3
Poland	95.0	93.8	98.7	102.3	104.1	109.0
Romania	5.6	7.7	9.4	8.9	8.8	10.5
Russia	47.4	62.4	62.7	67.4	72.6	78.0
Slovakia	23.5	19.2	25.4	22.7	30.8	30.6
Slovenia	10.9	11.4	12.2	13.1	14.0	13.6
Rest of Eastern Europe	20.9	22.5	22.7	24.4	27.1	31.4
Eastern Europe total	312.4	336.4	358.0	372.9	395.6	411.6
Latin America						
Argentina	33.3	15.6	21.4	22.5	23.6	24.8
Brazil	191.8	165.6	161.6	161.4	163.8	167.6
Chile	13.9	16.2	17.1	17.6	18.3	19.0
Colombia	23.0	21.2	22.4	23.9	25.4	27.2
Mexico	111.3	120.3	127.8	131.0	144.3	165.8
Venezuela	15.5	20.7	21.0	22.5	23.8	25.2
Rest of Latin America	50.2	52.6	55.2	57.7	60.2	62.9
Latin America total	439.0	412.3	426.5	436.5	459.5	492.4

Table A10
Worldwide Midrange Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	15.7	14.6	16.6	18.2	18.6	18.8
Israel	61.9	59.2	59.9	58.6	60.9	63.3
Saudi Arabia	23.6	25.5	27.0	28.1	29.0	30.1
South Africa	85.7	89.5	94.7	100.2	104.8	109.7
Turkey	22.6	38.6	43.0	87.0	142.7	159.0
United Arab Emirates	9.7	10.8	11.1	12.7	11.9	13.6
Other Gulf States	14.6	13.7	13.8	15.4	15.3	16.4
Rest of Middle East/Africa	58.6	65.4	72.2	78.9	89.3	95.8
Middle East/Africa total	292.5	317.3	338.3	399.1	472.6	506.7
North America						
Canada	474.7	420.1	412.1	420.6	456.1	460.5
United States	4,630.9	3,692.9	4,356.6	4,643.2	5,089.8	5,592.7
North America total	5,105.6	4,113.0	4,768.7	5,063.8	5,545.9	6,053.2
Western Europe						
Austria	96.8	107.7	105.9	115.3	127.3	133.8
Belgium	134.1	163.9	166.2	183.6	205.1	215.8
Denmark	69.1	82.2	89.5	104.4	117.1	125.1
Finland	100.4	109.1	110.2	128.0	141.8	150.2
France	496.8	424.3	489.0	541.6	630.0	667.2
Germany	981.1	966.8	1,029.9	1,214.1	1,366.0	1,436.8
Greece	19.2	23.6	23.9	27.9	32.1	34.1
Ireland	64.2	57.2	66.7	73.9	86.0	91.3
Italy	398.4	370.4	338.4	404.2	452.3	481.6
Netherlands	207.7	243.9	294.9	339.0	386.9	409.2
Norway	47.9	43.0	50.3	62.1	71.3	75.9
Portugal	44.6	36.5	33.0	38.8	44.8	47.5
Spain	204.1	223.1	245.7	291.0	326.2	346.4
Sweden	117.2	149.4	171.1	188.9	219.0	232.0
Switzerland	221.7	285.3	301.2	360.9	404.9	429.8
United Kingdom	632.7	558.6	616.9	725.2	817.9	869.4
Western Europe total	3,836.0	3,845.1	4,132.9	4,798.9	5,428.7	5,746.1
Worldwide	13,706.6	13,120.2	14,432.5	15,827.8	17,484.5	18,627.2

Source: IDC, June 2002

Table A11

Worldwide Low-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	426.7	414.8	420.6	453.9	478.6	496.0
China	1,331.8	1,505.2	1,781.4	2,148.2	2,431.7	2,725.8
Hong Kong	186.0	176.3	196.3	214.1	231.8	246.7
India	225.8	231.7	265.2	320.7	378.7	443.7
Indonesia	72.5	76.2	82.0	88.4	100.0	115.2
Japan	3,690.0	3,740.3	3,932.6	4,107.2	4,271.7	4,276.5
Korea	690.8	696.0	829.0	1,012.4	1,186.1	1,376.3
Malaysia	96.7	104.1	119.5	138.8	165.0	194.8
New Zealand	61.3	63.8	67.5	77.5	89.6	93.6
Philippines	43.5	55.2	67.3	78.6	88.7	94.0
Singapore	147.8	154.2	165.6	176.9	185.3	191.6
Taiwan	254.4	268.3	293.3	343.1	377.5	407.5
Thailand	65.5	63.0	68.9	76.8	84.1	96.4
Vietnam	22.2	20.5	26.3	32.3	39.0	45.8
Rest of Asia/Pacific	82.4	73.7	79.1	93.3	114.9	135.4
Asia/Pacific total	7,397.5	7,643.4	8,394.5	9,362.3	10,222.7	10,939.2
Eastern Europe						
Bulgaria	11.4	12.9	14.6	15.3	16.6	17.9
Croatia	16.5	18.8	22.4	24.9	30.0	33.2
Czech Republic	102.9	107.3	118.0	125.3	135.6	142.3
Hungary	58.8	60.5	66.7	75.8	78.2	82.3
Poland	156.8	159.6	182.3	213.2	232.7	248.5
Romania	23.3	25.8	29.2	28.4	31.3	34.7
Russia	213.2	240.1	265.4	298.4	337.8	386.6
Slovakia	40.9	41.3	45.2	48.6	48.3	49.3
Slovenia	25.2	25.9	26.7	29.3	32.5	35.4
Rest of Eastern Europe	106.4	113.5	118.7	135.3	155.9	171.6
Eastern Europe total	755.3	805.7	889.1	994.5	1,098.8	1,201.8
Latin America						
Argentina	74.0	31.0	63.7	84.8	100.6	119.5
Brazil	398.1	343.0	342.1	348.1	355.1	360.7
Chile	50.6	44.0	45.6	46.9	48.7	50.7
Colombia	53.3	52.5	56.1	59.0	61.8	64.6
Mexico	181.4	194.6	207.5	229.1	259.7	302.1
Venezuela	38.9	34.8	35.7	38.2	40.8	43.5
Rest of Latin America	154.3	165.5	179.5	192.7	206.4	221.0
Latin America total	950.6	865.5	930.3	998.8	1,073.1	1,162.0

Table A11
Worldwide Low-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	22.6	20.7	21.7	22.7	23.7	23.2
Israel	173.2	176.2	192.4	213.4	229.9	242.9
Saudi Arabia	48.7	51.8	53.6	50.6	49.7	49.6
South Africa	237.0	252.7	278.7	305.0	328.9	354.7
Turkey	60.9	64.7	86.5	127.8	157.8	219.2
United Arab Emirates	42.3	40.2	41.1	37.7	37.2	35.8
Other Gulf States	56.3	60.8	67.0	72.5	77.8	81.2
Rest of Middle East/Africa	149.3	151.3	158.7	166.2	179.9	200.6
Middle East/Africa total	790.4	818.3	899.8	996.0	1,084.7	1,207.2
North America						
Canada	719.4	787.1	854.4	909.3	941.4	984.9
United States	10,606.1	11,581.4	12,274.3	12,710.4	13,563.4	13,825.8
North America total	11,325.6	12,368.5	13,128.8	13,619.7	14,504.8	14,810.7
Western Europe						
Austria	186.7	181.9	175.5	180.5	188.5	205.2
Belgium	279.6	317.7	322.3	318.5	325.6	350.7
Denmark	222.8	235.5	232.0	236.6	252.0	276.5
Finland	206.6	203.1	195.7	199.3	206.4	222.2
France	1,086.0	1,020.9	1,097.7	1,072.9	1,156.4	1,251.5
Germany	1,844.0	1,797.4	1,835.2	1,943.9	2,096.7	2,279.5
Greece	58.4	60.3	58.9	62.6	66.4	73.8
Ireland	114.9	114.8	109.7	114.5	117.9	130.1
Italy	902.9	889.9	879.4	893.8	954.4	1,055.5
Netherlands	453.3	493.1	496.4	509.3	521.0	562.6
Norway	153.3	176.9	175.5	184.7	196.7	215.7
Portugal	130.4	124.2	112.9	117.8	122.6	131.6
Spain	394.9	421.2	414.6	413.6	429.9	467.7
Sweden	305.5	342.8	340.1	357.6	368.8	401.4
Switzerland	362.8	394.4	397.4	400.5	411.7	446.4
United Kingdom	1,491.5	1,614.1	1,729.3	1,748.3	1,703.1	1,849.7
Western Europe total	8,193.6	8,388.4	8,572.5	8,754.5	9,118.0	9,920.2
Worldwide	29,412.9	30,889.8	32,815.0	34,725.8	37,102.1	39,241.1

Source: IDC, June 2002

Table A12

Worldwide Standard Intel Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	311.7	298.5	297.1	309.3	324.7	344.0
China	852.9	978.3	1,214.0	1,551.7	1,803.7	2,074.8
Hong Kong	120.0	97.2	104.7	112.7	121.4	129.5
India	159.8	153.9	179.4	228.7	279.7	336.3
Indonesia	60.7	62.4	65.7	72.4	82.4	95.4
Japan	2,357.4	2,441.0	2,600.3	2,724.3	2,809.4	2,849.4
Korea	401.2	393.6	504.1	632.9	765.9	904.9
Malaysia	59.9	65.1	75.3	88.6	103.5	118.9
New Zealand	41.5	44.5	48.8	56.6	67.1	70.3
Philippines	31.6	41.3	51.4	60.0	68.4	71.8
Singapore	84.6	86.7	95.3	102.1	107.2	110.9
Taiwan	158.7	162.2	178.5	203.2	223.5	243.2
Thailand	39.6	39.0	41.6	45.7	51.7	57.9
Vietnam	20.5	18.6	24.4	30.3	36.7	43.2
Rest of Asia/Pacific	16.1	17.4	20.2	26.4	36.6	46.8
Asia/Pacific total	4,716.2	4,899.7	5,501.0	6,245.0	6,881.9	7,497.3
Eastern Europe						
Bulgaria	6.4	7.6	8.8	9.4	10.6	12.1
Croatia	13.5	12.7	15.3	16.8	20.2	23.8
Czech Republic	59.3	65.6	72.4	77.9	86.6	92.3
Hungary	31.9	29.0	31.9	42.2	42.9	45.7
Poland	97.2	93.4	108.4	131.9	154.5	169.4
Romania	19.0	20.4	22.0	20.8	22.9	25.9
Russia	161.7	176.4	202.4	241.2	285.7	331.8
Slovakia	28.0	27.2	30.6	33.4	33.5	34.2
Slovenia	16.6	17.3	18.2	21.2	24.2	27.3
Rest of Eastern Europe	81.4	86.5	94.8	105.9	122.4	135.7
Eastern Europe total	515.0	536.2	604.8	700.7	803.5	898.1
Latin America						
Argentina	42.8	20.3	40.3	54.4	64.9	77.4
Brazil	280.4	264.2	262.1	267.0	271.9	275.3
Chile	35.3	27.7	28.7	29.5	30.7	31.9
Colombia	37.9	35.7	37.5	39.1	41.4	44.3
Mexico	119.8	138.3	154.8	179.0	212.3	256.8
Venezuela	28.3	26.2	26.7	28.2	29.7	31.2
Rest of Latin America	120.5	130.7	144.0	156.3	169.1	183.0
Latin America total	665.0	643.0	694.0	753.6	819.9	900.0

Table A12

Worldwide Standard Intel Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	11.3	9.9	9.6	8.4	8.2	8.4
Israel	113.6	124.7	133.0	143.2	151.8	159.2
Saudi Arabia	21.5	24.8	27.0	25.4	24.3	24.7
South Africa	180.2	192.0	214.6	234.8	256.5	276.7
Turkey	24.5	35.1	42.9	56.6	68.9	88.5
United Arab Emirates	23.4	22.0	21.6	19.0	19.6	18.9
Other Gulf States	48.7	51.7	57.3	63.4	67.7	71.5
Rest of Middle East/Africa	101.7	102.0	111.5	120.3	132.5	149.4
Middle East/Africa total	524.9	562.2	617.6	671.1	729.6	797.2
North America						
Canada	444.2	465.6	523.8	555.2	524.4	502.8
United States	7,399.9	8,090.9	8,587.0	9,215.1	10,187.9	10,894.8
North America total	7,844.1	8,556.5	9,110.8	9,770.3	10,712.3	11,397.6
Western Europe						
Austria	132.2	123.6	121.8	139.6	153.0	168.9
Belgium	172.1	195.8	209.5	229.5	246.9	269.8
Denmark	178.0	176.3	171.9	193.5	214.2	238.7
Finland	98.0	98.0	97.5	121.9	135.4	148.6
France	726.5	708.8	788.3	837.9	960.7	1,052.4
Germany	1,169.2	1,063.7	1,101.9	1,348.1	1,570.5	1,738.3
Greece	42.3	45.4	44.2	51.4	57.2	64.3
Ireland	79.3	83.3	80.6	92.6	101.4	113.2
Italy	637.2	619.8	656.4	745.8	825.6	925.6
Netherlands	300.1	294.0	288.2	339.9	373.3	411.2
Norway	117.7	131.6	129.5	151.2	167.0	185.4
Portugal	95.0	93.0	87.2	98.4	106.1	114.9
Spain	243.3	255.3	246.1	293.0	324.5	359.8
Sweden	205.7	221.4	215.1	258.8	286.0	316.9
Switzerland	217.4	256.1	259.6	296.1	321.8	354.4
United Kingdom	1,029.7	1,162.7	1,273.6	1,420.8	1,419.6	1,561.3
Western Europe total	5,443.8	5,528.7	5,771.3	6,618.8	7,263.2	8,023.7
Worldwide	19,709.1	20,726.3	22,299.5	24,759.5	27,210.5	29,513.8

Source: IDC, June 2002

Table A13

Worldwide Other Low-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	114.9	116.2	123.5	144.6	153.9	152.0
China	478.9	526.9	567.4	596.5	628.0	651.0
Hong Kong	66.0	79.0	91.6	101.4	110.4	117.1
India	66.1	77.8	85.8	92.0	99.0	107.4
Indonesia	11.8	13.8	16.3	15.9	17.6	19.9
Japan	1,332.6	1,299.3	1,332.3	1,382.9	1,462.2	1,427.1
Korea	289.7	302.4	324.9	379.4	420.2	471.4
Malaysia	36.8	39.0	44.2	50.2	61.6	75.9
New Zealand	19.8	19.3	18.7	20.9	22.5	23.3
Philippines	11.9	13.9	15.9	18.6	20.3	22.2
Singapore	63.2	67.5	70.3	74.8	78.1	80.6
Taiwan	95.7	106.2	114.8	139.9	154.0	164.4
Thailand	25.9	24.0	27.2	31.1	32.4	38.6
Vietnam	1.7	1.9	1.9	2.0	2.3	2.6
Rest of Asia/Pacific	66.2	56.3	58.9	67.0	78.3	88.6
Asia/Pacific total	2,681.2	2,743.7	2,893.5	3,117.3	3,340.7	3,442.0
Eastern Europe						
Bulgaria	5.0	5.3	5.8	5.9	6.0	5.8
Croatia	3.0	6.1	7.1	8.1	9.8	9.4
Czech Republic	43.6	41.7	45.6	47.4	49.0	50.0
Hungary	26.9	31.5	34.7	33.6	35.3	36.6
Poland	59.6	66.2	73.9	81.3	78.2	79.1
Romania	4.3	5.4	7.2	7.6	8.4	8.8
Russia	51.5	63.7	63.0	57.2	52.1	54.8
Slovakia	12.9	14.1	14.6	15.2	14.8	15.1
Slovenia	8.6	8.6	8.5	8.1	8.3	8.1
Rest of Eastern Europe	25.0	27.0	23.9	29.4	33.5	35.9
Eastern Europe total	240.3	269.5	284.4	293.8	295.3	303.7
Latin America						
Argentina	31.2	10.7	23.4	30.3	35.7	42.1
Brazil	117.7	78.9	80.0	81.1	83.3	85.3
Chile	15.3	16.3	16.9	17.4	18.0	18.8
Colombia	15.4	16.8	18.6	19.9	20.4	20.3
Mexico	61.6	56.4	52.7	50.1	47.4	45.3
Venezuela	10.7	8.6	9.0	10.0	11.1	12.3
Rest of Latin America	33.8	34.8	35.5	36.4	37.2	38.0
Latin America total	285.6	222.5	236.2	245.2	253.2	262.0

Table A13
Worldwide Other Low-End Servers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	11.3	10.8	12.1	14.3	15.4	14.8
Israel	59.6	51.4	59.4	70.2	78.1	83.7
Saudi Arabia	27.2	27.0	26.6	25.3	25.3	24.9
South Africa	56.9	60.6	64.1	70.1	72.4	78.0
Turkey	36.4	29.7	43.6	71.3	88.9	130.7
United Arab Emirates	18.9	18.2	19.5	18.7	17.6	16.9
Other Gulf States	7.6	9.1	9.7	9.1	10.1	9.7
Rest of Middle East/Africa	47.6	49.3	47.2	46.0	47.3	51.2
Middle East/Africa total	265.5	256.1	282.2	324.9	355.2	410.0
North America						
Canada	275.2	321.5	330.6	354.0	417.0	482.2
United States	3,206.2	3,490.6	3,687.4	3,495.3	3,375.5	2,931.0
North America total	3,481.4	3,812.0	4,018.0	3,849.4	3,792.4	3,413.1
Western Europe						
Austria	54.5	58.4	53.6	40.8	35.5	36.4
Belgium	107.4	121.9	112.8	89.0	78.7	80.8
Denmark	44.8	59.1	60.1	43.0	37.8	37.8
Finland	108.6	105.1	98.2	77.4	71.0	73.6
France	359.5	312.1	309.4	235.0	195.7	199.1
Germany	674.8	733.7	733.3	595.8	526.2	541.3
Greece	16.0	14.9	14.8	11.1	9.2	9.4
Ireland	35.7	31.6	29.1	21.8	16.5	17.0
Italy	265.7	270.2	223.0	148.0	128.8	129.9
Netherlands	153.2	199.1	208.2	169.4	147.7	151.5
Norway	35.6	45.2	46.0	33.5	29.7	30.3
Portugal	35.4	31.2	25.8	19.4	16.5	16.7
Spain	151.6	165.9	168.5	120.6	105.3	107.9
Sweden	99.7	121.5	125.0	98.8	82.8	84.5
Switzerland	145.5	138.3	137.8	104.4	89.9	92.0
United Kingdom	461.8	451.4	455.7	327.5	283.5	288.4
Western Europe total	2,749.8	2,859.6	2,801.2	2,135.7	1,854.8	1,896.6
Worldwide	9,703.8	10,163.5	10,515.5	9,966.3	9,891.6	9,727.4

Source: IDC, June 2002

Table A14

Worldwide Personal Computers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	2,622.0	2,647.8	2,731.9	2,814.7	2,890.0	2,943.0
China	8,747.3	9,661.9	11,686.0	14,112.7	16,298.5	18,379.9
Hong Kong	903.7	743.6	807.7	870.9	914.4	956.1
India	1,591.3	1,579.3	1,899.6	2,462.0	3,374.3	4,495.5
Indonesia	414.3	443.0	493.1	573.9	675.4	792.2
Japan	20,609.6	16,053.7	17,124.5	20,031.2	20,605.0	20,869.2
Korea	3,254.4	3,108.7	3,412.9	3,845.6	4,167.5	4,685.9
Malaysia	876.1	937.9	1,023.8	1,155.0	1,298.7	1,450.2
New Zealand	497.9	444.0	460.8	471.4	468.4	478.7
Philippines	316.2	300.9	374.0	440.3	506.4	565.2
Singapore	675.1	675.0	678.2	700.9	716.9	729.2
Taiwan	1,275.1	1,282.4	1,372.1	1,496.4	1,627.9	1,758.0
Thailand	630.0	675.7	713.5	786.9	907.6	1,034.1
Vietnam	130.5	155.0	189.6	230.3	272.6	316.4
Rest of Asia/Pacific	265.4	265.7	333.0	474.1	607.3	760.5
Asia/Pacific total	42,808.8	38,974.7	43,300.5	50,466.3	55,331.1	60,214.1
Eastern Europe						
Bulgaria	64.1	72.5	84.2	87.3	93.0	99.6
Croatia	124.8	136.0	145.0	148.3	168.9	188.9
Czech Republic	368.9	394.0	413.5	447.3	480.8	510.9
Hungary	278.7	297.1	309.0	327.1	352.9	379.8
Poland	892.7	922.3	1,074.4	1,215.8	1,308.9	1,370.1
Romania	129.0	136.3	145.1	149.1	163.8	184.0
Russia	1,453.1	1,530.0	1,641.2	1,796.8	2,011.1	2,190.2
Slovakia	109.6	117.8	123.1	129.8	142.3	157.8
Slovenia	93.9	100.5	107.1	116.0	125.0	135.1
Rest of Eastern Europe	673.0	741.8	841.4	920.7	1,067.4	1,205.3
Eastern Europe total	4,187.8	4,448.1	4,884.0	5,338.2	5,914.0	6,421.7
Latin America						
Argentina	790.5	174.5	376.6	567.0	687.1	831.3
Brazil	3,081.1	3,141.1	3,263.7	3,383.5	3,584.9	3,831.5
Chile	349.4	335.8	348.8	365.0	382.9	406.4
Colombia	389.9	426.2	448.1	469.3	502.6	532.3
Mexico	2,366.2	2,541.9	2,647.0	2,910.1	3,284.7	3,699.3
Venezuela	419.4	327.2	324.5	290.0	281.9	287.9
Rest of Latin America	1,111.9	1,113.1	1,131.4	1,225.9	1,339.0	1,460.7
Latin America total	8,508.5	8,059.7	8,540.1	9,210.9	10,062.9	11,049.4

Table A14
Worldwide Personal Computers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	148.6	136.4	160.6	179.7	189.2	204.9
Israel	547.7	596.0	666.7	722.4	800.8	865.2
Saudi Arabia	271.2	408.6	412.8	411.7	440.6	461.9
South Africa	948.6	875.1	1,130.1	1,009.9	1,067.6	1,108.3
Turkey	320.2	436.0	674.7	728.7	821.5	928.8
United Arab Emirates	223.3	237.6	252.7	296.1	312.4	322.7
Other Gulf States	212.2	234.8	253.3	278.9	299.4	320.8
Rest of Middle East/Africa	791.0	961.2	1,135.5	1,212.3	1,309.7	1,457.0
Middle East/Africa total	3,462.8	3,885.8	4,686.4	4,839.9	5,241.1	5,669.6
North America						
Canada	4,134.9	3,458.9	3,455.1	3,376.0	3,101.8	2,949.8
United States	60,818.7	52,885.9	53,281.2	54,788.9	53,898.8	51,685.4
North America total	64,953.6	56,344.8	56,736.2	58,164.9	57,000.6	54,635.3
Western Europe						
Austria	1,056.9	945.4	943.8	972.1	998.9	1,006.3
Belgium	1,164.2	1,084.1	979.9	990.9	986.7	1,009.3
Denmark	1,079.9	1,055.6	1,055.1	1,050.6	1,027.6	1,014.0
Finland	728.7	728.2	723.8	733.3	742.4	766.9
France	6,657.3	6,367.5	5,698.5	5,834.0	5,873.5	5,786.2
Germany	10,105.3	8,802.3	8,648.7	8,622.7	8,722.1	8,736.0
Greece	477.1	470.1	468.4	479.3	491.2	524.9
Ireland	547.0	503.5	501.4	531.0	553.4	570.4
Italy	3,959.2	4,092.2	4,180.4	4,480.6	4,803.9	5,026.3
Netherlands	2,436.5	2,351.5	2,181.1	2,188.5	2,172.4	2,107.8
Norway	934.0	824.9	839.7	852.7	863.0	883.8
Portugal	656.6	669.9	716.8	777.8	821.5	868.4
Spain	2,192.9	2,052.6	2,118.3	2,264.8	2,458.8	2,562.3
Sweden	1,811.3	1,835.1	1,784.5	1,795.4	1,779.7	1,785.0
Switzerland	1,733.7	1,482.5	1,427.7	1,439.8	1,425.2	1,393.1
United Kingdom	9,562.2	8,999.1	8,518.5	8,772.6	8,855.7	8,756.7
Western Europe total	45,102.9	42,264.5	40,786.4	41,786.2	42,576.0	42,797.3
Worldwide	169,024.2	153,977.5	158,933.7	169,806.4	176,125.6	180,787.4

Source: IDC, June 2002

Table A15
Worldwide Traditional Workstations Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	21.0	18.5	17.0	15.5	14.1	12.8
China	83.4	89.3	91.6	92.4	91.5	90.5
Hong Kong	9.8	11.8	11.4	10.9	10.1	9.4
India	26.9	20.4	20.5	19.7	17.7	16.4
Indonesia	3.8	3.4	3.1	2.8	2.6	2.3
Japan	496.6	409.1	336.5	276.4	225.8	183.1
Korea	67.6	61.8	60.2	58.7	55.9	52.4
Malaysia	10.5	11.1	11.4	11.5	11.5	11.5
New Zealand	3.8	2.5	2.2	1.9	1.6	1.4
Philippines	1.9	1.9	1.8	1.7	1.6	1.4
Singapore	14.1	13.4	12.9	12.5	11.8	11.2
Taiwan	19.4	23.3	23.2	23.2	22.8	22.4
Thailand	4.8	4.6	4.4	4.0	3.7	3.4
Vietnam	1.4	1.6	1.8	1.9	2.1	2.2
Rest of Asia/Pacific	6.3	6.1	6.7	7.7	8.9	9.6
Asia/Pacific total	771.4	678.8	604.7	540.8	481.7	430.1
Eastern Europe						
Bulgaria	0.3	0.3	0.2	0.2	0.2	0.2
Croatia	0.8	0.7	0.6	0.5	0.4	0.4
Czech Republic	4.9	4.0	3.4	3.1	2.9	2.8
Hungary	4.4	3.7	3.1	2.6	2.1	1.9
Poland	4.8	4.2	3.5	3.3	3.0	2.7
Romania	0.6	0.4	0.4	0.3	0.3	0.3
Russia	7.3	6.3	5.1	4.1	3.2	3.1
Slovakia	1.3	1.0	0.8	0.6	0.6	0.5
Slovenia	0.7	0.6	0.5	0.4	0.4	0.3
Rest of Eastern Europe	7.6	6.7	5.9	5.6	5.3	5.0
Eastern Europe total	32.7	27.8	23.6	20.8	18.3	17.2
Latin America						
Argentina	15.1	2.5	4.7	6.2	6.7	6.0
Brazil	95.0	83.7	78.2	69.6	70.0	62.7
Chile	2.6	2.3	2.3	2.3	2.3	2.3
Colombia	5.8	5.6	5.3	4.9	4.8	4.4
Mexico	15.6	12.4	10.2	8.9	7.8	3.8
Venezuela	18.1	10.8	8.1	5.9	4.4	2.2
Rest of Latin America	27.2	24.3	22.9	23.0	23.0	22.0
Latin America total	179.3	141.6	131.6	120.8	119.0	103.4

Table A15
Worldwide Traditional Workstations Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	6.5	5.9	6.1	6.7	7.8	7.9
Israel	36.1	31.9	27.0	22.8	18.8	15.3
Saudi Arabia	5.2	5.0	4.8	4.6	4.4	3.9
South Africa	8.0	7.8	7.5	7.3	7.0	6.6
Turkey	3.2	3.2	5.3	6.6	11.6	12.0
United Arab Emirates	1.3	0.9	0.7	0.6	0.5	0.4
Other Gulf States	15.0	14.4	13.5	12.9	12.1	10.9
Rest of Middle East/Africa	7.8	6.9	6.6	6.2	6.1	5.9
Middle East/Africa total	83.1	76.1	71.4	67.5	68.3	63.0
North America						
Canada	222.1	211.1	200.8	194.3	186.6	176.3
United States	1,659.1	1,412.8	1,260.0	1,117.4	983.5	868.9
North America total	1,881.2	1,623.9	1,460.8	1,311.7	1,170.1	1,045.2
Western Europe						
Austria	21.2	16.1	14.1	12.3	10.3	8.9
Belgium	22.1	17.5	15.6	13.9	11.9	10.5
Denmark	13.7	10.9	9.8	8.7	7.4	6.5
Finland	17.9	14.2	12.5	10.9	9.2	8.0
France	174.2	134.0	119.8	106.7	92.0	81.4
Germany	265.2	232.3	202.4	177.7	150.3	130.4
Greece	2.5	1.6	1.5	1.3	1.1	0.9
Ireland	2.6	2.1	1.8	1.6	1.3	1.1
Italy	75.3	58.1	51.2	44.7	37.6	32.7
Netherlands	41.1	32.8	28.9	25.4	21.5	18.7
Norway	17.5	13.6	12.0	10.5	8.8	7.7
Portugal	5.9	4.2	3.7	3.2	2.6	2.2
Spain	18.0	13.4	11.8	10.1	8.3	7.1
Sweden	79.8	62.0	56.0	49.4	42.2	36.9
Switzerland	69.8	45.3	39.6	35.0	28.1	23.9
United Kingdom	166.1	137.0	119.8	105.5	89.9	78.9
Western Europe total	992.7	795.2	700.4	616.9	522.8	455.9
Worldwide	3,940.5	3,343.5	2,992.5	2,678.5	2,380.1	2,114.9

Source: IDC, June 2002

Table A16
Worldwide Systems Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	3,295.2	3,317.6	3,427.0	3,556.7	3,672.0	3,759.8
China	10,711.1	11,860.6	14,224.6	17,082.3	19,609.2	22,038.5
Hong Kong	1,198.3	1,024.0	1,112.3	1,197.1	1,260.7	1,320.5
India	1,905.0	1,898.0	2,263.8	2,889.7	3,868.4	5,065.1
Indonesia	532.1	564.5	621.3	713.5	830.0	964.7
Japan	29,031.1	24,156.0	25,261.0	28,377.1	29,300.8	29,579.3
Korea	4,659.6	4,528.4	5,057.3	5,719.9	6,260.7	6,997.2
Malaysia	1,056.3	1,131.6	1,241.3	1,398.7	1,571.9	1,756.2
New Zealand	584.6	532.8	557.1	577.2	586.7	602.9
Philippines	388.7	387.5	476.1	555.4	633.7	700.4
Singapore	970.3	984.8	1,009.9	1,055.8	1,090.5	1,118.7
Taiwan	1,710.4	1,744.8	1,875.6	2,047.2	2,219.8	2,388.2
Thailand	752.9	800.8	847.0	929.1	1,059.8	1,198.0
Vietnam	155.9	179.4	219.9	267.0	316.3	367.1
Rest of Asia/Pacific	401.1	391.6	468.5	630.9	795.7	971.0
Asia/Pacific total	57,352.4	53,502.5	58,662.7	66,997.6	73,076.2	78,827.7
Eastern Europe						
Bulgaria	83.7	95.7	108.2	113.6	120.0	126.4
Croatia	149.7	162.1	176.6	183.0	210.3	232.1
Czech Republic	535.6	570.5	606.8	649.1	696.6	733.4
Hungary	385.1	407.3	424.5	455.6	483.6	513.5
Poland	1,158.7	1,187.2	1,371.0	1,549.0	1,653.4	1,736.6
Romania	159.8	171.6	185.4	186.7	205.4	232.0
Russia	1,748.5	1,860.3	1,996.7	2,192.1	2,452.5	2,689.5
Slovakia	176.7	179.3	194.4	203.0	222.0	239.7
Slovenia	131.9	139.7	150.4	160.1	174.4	184.4
Rest of Eastern Europe	810.1	886.7	992.2	1,090.3	1,261.4	1,419.9
Eastern Europe total	5,339.8	5,660.3	6,206.2	6,782.5	7,479.4	8,107.5
Latin America						
Argentina	916.3	226.9	480.7	694.9	829.9	991.4
Brazil	4,148.7	4,017.4	4,127.8	4,239.3	4,447.5	4,695.6
Chile	416.5	399.5	414.9	433.3	452.2	478.4
Colombia	475.0	510.0	536.4	562.6	598.8	632.6
Mexico	2,721.8	2,912.7	3,051.2	3,343.7	3,768.1	4,248.9
Venezuela	507.4	401.7	393.9	360.0	353.0	360.8
Rest of Latin America	1,380.9	1,392.6	1,425.1	1,534.4	1,662.9	1,800.1
Latin America total	10,566.5	9,860.8	10,430.0	11,168.1	12,112.4	13,207.9

Table A16
Worldwide Systems Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	201.2	184.3	210.5	232.0	243.5	258.5
Israel	831.0	874.7	956.8	1,027.8	1,120.9	1,197.3
Saudi Arabia	363.4	500.4	508.0	502.7	539.4	556.2
South Africa	1,315.3	1,262.1	1,549.3	1,461.5	1,548.0	1,619.7
Turkey	420.5	557.6	831.7	987.2	1,184.2	1,363.2
United Arab Emirates	276.6	290.9	306.7	347.1	363.2	374.0
Other Gulf States	299.2	327.1	349.4	383.6	406.8	431.4
Rest of Middle East/Africa	1,012.5	1,190.5	1,378.3	1,471.0	1,592.2	1,768.0
Middle East/Africa total	4,719.7	5,187.5	6,090.7	6,413.1	6,998.1	7,568.2
North America						
Canada	5,798.6	5,127.4	5,157.0	5,136.0	4,940.2	4,885.2
United States	81,749.2	73,030.5	74,799.2	77,004.7	77,594.3	76,185.7
North America total	87,547.8	78,158.0	79,956.3	82,140.7	82,534.5	81,071.0
Western Europe						
Austria	1,403.8	1,277.9	1,266.9	1,305.3	1,348.9	1,377.2
Belgium	1,688.7	1,613.2	1,510.4	1,530.8	1,553.8	1,611.7
Denmark	1,431.9	1,435.1	1,433.1	1,448.7	1,451.8	1,469.2
Finland	1,059.8	1,062.8	1,049.8	1,078.1	1,106.5	1,154.2
France	8,935.3	8,558.7	8,011.1	8,152.2	8,360.9	8,411.0
Germany	14,467.6	13,104.7	12,981.6	13,134.0	13,499.7	13,743.1
Greece	558.2	555.7	552.7	571.0	590.8	633.8
Ireland	742.6	691.1	688.9	730.1	768.3	803.0
Italy	5,568.7	5,665.0	5,659.4	6,041.8	6,470.6	6,824.8
Netherlands	3,227.2	3,228.1	3,104.0	3,157.2	3,193.9	3,191.4
Norway	1,179.8	1,088.8	1,109.8	1,141.2	1,171.6	1,216.3
Portugal	850.2	848.0	877.3	947.7	1,002.0	1,060.5
Spain	2,867.3	2,782.7	2,860.1	3,047.9	3,292.9	3,455.7
Sweden	2,336.1	2,421.2	2,384.0	2,421.3	2,439.3	2,486.1
Switzerland	2,482.2	2,382.1	2,303.1	2,327.4	2,359.5	2,385.0
United Kingdom	12,336.1	11,786.2	11,414.6	11,758.0	11,882.4	11,980.8
Western Europe total	61,135.5	58,501.4	57,206.7	58,792.8	60,492.9	61,804.1
Worldwide	226,661.7	210,870.5	218,552.5	232,294.8	242,693.4	250,586.4

Source: IDC, June 2002

Table A17
Worldwide Disk Systems Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	387.9	416.3	425.4	430.9	437.3	441.6
China	333.7	381.7	431.3	489.3	536.3	564.0
Hong Kong	102.9	93.5	93.5	90.5	92.6	94.1
India	114.6	126.4	155.4	196.5	236.8	279.7
Indonesia	30.6	33.8	37.6	37.1	33.9	33.3
Japan	4,254.4	4,383.0	4,532.0	4,846.0	5,180.0	5,333.3
Korea	374.2	361.3	376.1	363.6	346.8	351.5
Malaysia	45.9	45.1	47.7	53.7	57.8	60.7
New Zealand	58.6	54.7	50.7	47.3	44.5	43.9
Philippines	27.3	27.3	28.5	29.9	31.8	33.3
Singapore	85.7	90.5	98.0	101.7	109.8	117.6
Taiwan	122.3	117.6	117.6	118.5	114.9	110.7
Thailand	41.2	40.2	41.9	45.6	50.4	54.2
Vietnam	7.1	8.3	9.7	11.3	13.0	13.9
Rest of Asia/Pacific	60.1	56.4	62.6	73.1	85.0	92.0
Asia/Pacific total	6,046.5	6,236.0	6,508.0	6,935.0	7,371.0	7,623.7
Eastern Europe						
Bulgaria	2.7	4.1	4.9	5.8	6.8	8.1
Croatia	8.0	6.8	7.7	8.2	8.7	9.9
Czech Republic	42.8	46.7	46.8	52.4	58.2	55.6
Hungary	34.2	39.8	40.7	43.2	48.2	52.9
Poland	52.1	56.0	58.0	69.3	81.5	97.3
Romania	4.2	5.4	5.9	7.5	7.6	8.6
Russia	47.5	56.7	69.1	80.3	92.4	107.9
Slovakia	7.8	11.2	10.7	11.4	13.6	15.3
Slovenia	5.0	6.6	6.6	8.8	10.1	12.4
Rest of Eastern Europe	5.3	6.4	12.7	18.3	20.0	32.2
Eastern Europe total	209.5	239.7	263.1	305.2	347.1	400.2
Latin America						
Argentina	59.6	43.9	76.6	104.2	114.5	117.4
Brazil	329.8	369.8	426.7	492.0	562.4	637.9
Chile	29.2	31.2	40.3	49.1	57.3	65.9
Colombia	33.8	33.9	43.6	50.9	57.8	65.8
Mexico	88.9	117.3	141.8	165.5	193.1	223.2
Venezuela	34.1	37.1	47.9	57.4	67.6	77.9
Rest of Latin America	105.3	111.7	147.1	176.8	205.3	233.9
Latin America total	680.6	744.9	924.0	1,096.0	1,258.1	1,422.0

Table A17
Worldwide Disk Systems Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	5.5	4.3	4.5	6.2	7.9	9.4
Israel	25.0	20.6	22.1	29.3	36.6	40.8
Saudi Arabia	9.5	9.7	9.1	11.9	15.1	17.5
South Africa	48.1	36.4	36.7	45.3	54.0	62.8
Turkey	9.4	8.3	9.2	13.8	21.7	29.6
United Arab Emirates	4.8	4.4	5.3	6.9	8.9	10.5
Other Gulf States	3.6	3.5	3.9	5.6	7.8	10.0
Rest of Middle East/Africa	13.5	12.9	14.2	20.0	26.0	33.1
Middle East/Africa total	119.3	100.0	105.0	139.0	178.0	213.7
North America						
Canada	1,138.8	1,170.6	1,225.5	1,307.1	1,477.9	1,619.1
United States	10,191.2	10,068.0	10,486.0	10,916.0	11,486.0	11,660.7
North America total	11,330.0	11,238.6	11,711.5	12,223.1	12,963.9	13,279.8
Western Europe						
Austria	153.9	154.2	158.7	169.1	182.3	195.4
Belgium	219.8	206.9	220.1	236.4	257.4	278.4
Denmark	158.0	146.2	157.8	173.3	189.7	208.0
Finland	154.3	151.4	162.0	171.7	185.3	198.1
France	1,051.4	1,048.4	1,180.6	1,036.6	1,110.8	1,077.5
Germany	1,874.9	1,894.5	1,745.3	1,942.3	2,031.7	2,192.1
Greece	51.8	47.2	58.1	63.8	71.2	78.8
Ireland	105.8	102.6	110.6	117.6	124.4	131.9
Italy	670.3	638.1	644.6	699.8	750.9	810.5
Netherlands	369.8	340.5	365.0	387.1	416.5	444.9
Norway	102.1	111.1	108.9	117.7	129.1	140.6
Portugal	70.1	74.4	84.6	94.0	106.2	119.1
Spain	323.4	287.8	299.9	311.4	329.2	344.9
Sweden	269.5	227.5	265.5	284.6	308.9	333.2
Switzerland	337.9	300.3	302.7	314.4	327.4	340.5
United Kingdom	1,518.3	1,155.9	1,407.6	1,538.2	1,649.0	1,784.8
Western Europe total	7,431.2	6,887.0	7,272.0	7,658.0	8,170.0	8,678.5
Worldwide	25,817.1	25,446.2	26,783.5	28,356.2	30,288.1	31,618.0

Source: IDC, June 2002

Table A18
Worldwide Tape Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	25.7	27.4	27.1	28.2	32.4	33.2
China	22.1	25.1	27.5	32.0	39.7	42.5
Hong Kong	6.8	6.2	6.0	5.9	6.9	7.1
India	7.6	8.3	9.9	12.8	17.5	21.1
Indonesia	2.0	2.2	2.4	2.4	2.5	2.5
Japan	96.2	112.9	142.5	172.4	203.6	218.9
Korea	24.8	23.8	24.0	23.8	25.7	26.5
Malaysia	3.0	3.0	3.0	3.5	4.3	4.6
New Zealand	3.9	3.6	3.2	3.1	3.3	3.3
Philippines	1.8	1.8	1.8	2.0	2.4	2.5
Singapore	5.7	6.0	6.2	6.6	8.1	8.9
Taiwan	8.1	7.8	7.5	7.7	8.5	8.3
Thailand	2.7	2.7	2.7	3.0	3.7	4.1
Vietnam	0.5	0.5	0.6	0.7	1.0	1.0
Rest of Asia/Pacific	4.0	3.7	4.0	4.8	6.3	6.9
Asia/Pacific total	215.1	235.0	268.5	308.9	365.8	391.3
Eastern Europe						
Bulgaria	1.7	2.1	2.0	2.0	2.1	2.1
Croatia	3.0	2.7	2.5	2.8	2.9	3.2
Czech Republic	11.6	12.1	12.3	12.0	12.5	12.7
Hungary	6.5	7.2	7.4	8.2	8.1	8.4
Poland	16.9	17.1	19.0	18.3	19.1	19.1
Romania	2.6	2.9	3.1	2.5	3.0	3.0
Russia	23.7	26.2	26.0	27.1	29.2	31.0
Slovakia	3.5	3.2	3.6	3.5	4.1	4.4
Slovenia	3.2	3.2	3.5	3.4	3.7	3.8
Rest of Eastern Europe	9.1	9.1	9.0	6.5	7.0	6.2
Eastern Europe total	81.8	85.7	88.3	86.3	91.8	94.0
Latin America						
Argentina	14.0	9.8	16.9	22.8	24.8	25.1
Brazil	97.0	102.0	108.0	113.0	117.0	120.0
Chile	7.4	7.4	9.3	10.9	12.3	13.7
Colombia	8.5	8.0	10.0	11.3	12.4	13.6
Mexico	22.5	27.9	32.6	36.8	41.5	46.3
Venezuela	8.6	8.8	11.0	12.8	14.5	16.1
Rest of Latin America	26.6	26.5	33.8	39.3	44.1	48.5
Latin America total	184.8	190.5	221.6	246.9	266.6	283.3

Table A18
Worldwide Tape Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	0.4	0.4	0.4	0.6	0.8	0.8
Israel	2.0	1.9	2.1	2.9	3.8	3.6
Saudi Arabia	0.8	0.9	0.9	1.2	1.6	1.5
South Africa	3.9	3.4	3.5	4.6	5.6	5.5
Turkey	0.8	0.8	0.9	1.4	2.2	2.6
United Arab Emirates	0.4	0.4	0.5	0.7	0.9	0.9
Other Gulf States	0.3	0.3	0.4	0.6	0.8	0.9
Rest of Middle East/Africa	1.1	1.2	1.4	2.0	2.7	2.9
Middle East/Africa total	9.8	9.4	10.1	14.0	18.4	18.8
North America						
Canada	148.0	166.2	181.4	203.9	224.6	247.7
United States	2,053.6	2,164.7	2,381.1	2,684.6	3,084.7	3,248.3
North America total	2,201.7	2,330.9	2,562.5	2,888.5	3,309.3	3,496.1
Western Europe						
Austria	27.5	25.3	23.2	22.7	23.3	23.3
Belgium	42.4	40.9	38.7	37.2	38.0	37.7
Denmark	28.5	29.5	27.7	27.5	28.5	29.0
Finland	26.4	25.6	23.6	23.6	24.3	24.7
France	177.5	164.6	164.8	156.2	164.0	163.6
Germany	345.6	325.7	310.3	306.1	316.7	320.0
Greece	6.6	6.7	6.2	6.4	6.7	7.0
Ireland	16.3	14.9	13.9	14.0	14.6	15.0
Italy	129.4	121.2	107.3	107.1	111.5	113.7
Netherlands	63.2	67.5	67.2	66.6	68.4	69.1
Norway	19.3	20.0	19.4	19.6	20.5	21.1
Portugal	15.8	13.9	11.8	11.8	12.2	12.4
Spain	55.4	57.4	54.8	54.6	56.5	57.4
Sweden	37.5	41.9	40.8	40.7	42.3	43.0
Switzerland	57.2	68.4	62.8	60.2	62.0	61.6
United Kingdom	220.0	212.1	208.6	203.4	201.0	197.3
Western Europe total	1,268.6	1,235.8	1,181.1	1,157.7	1,190.6	1,195.7
Worldwide	3,961.8	4,087.4	4,332.0	4,702.3	5,242.4	5,479.2

Source: IDC, June 2002

Table A19

Worldwide Fibre Channel Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	48.8	74.0	89.2	104.0	126.4	151.7
China	42.0	67.8	90.4	118.1	155.0	193.7
Hong Kong	12.9	16.6	19.6	21.8	26.8	32.3
India	14.4	22.5	32.6	47.4	68.4	96.1
Indonesia	3.9	6.0	7.9	9.0	9.8	11.4
Japan	182.5	304.4	468.6	636.2	794.5	998.8
Korea	47.1	64.2	78.8	87.7	100.2	120.7
Malaysia	5.8	8.0	10.0	13.0	16.7	20.8
New Zealand	7.4	9.7	10.6	11.4	12.9	15.1
Philippines	3.4	4.8	6.0	7.2	9.2	11.4
Singapore	10.8	16.1	20.5	24.5	31.7	40.4
Taiwan	15.4	20.9	24.6	28.6	33.2	38.0
Thailand	5.2	7.1	8.8	11.0	14.6	18.6
Vietnam	0.9	1.5	2.0	2.7	3.8	4.8
Rest of Asia/Pacific	7.6	10.0	13.1	17.6	24.6	31.6
Asia/Pacific total	408.1	633.6	882.8	1,140.2	1,427.8	1,785.5
Eastern Europe						
Bulgaria	0.2	0.5	0.8	1.2	1.6	2.3
Croatia	0.3	0.6	0.8	1.3	1.8	2.4
Czech Republic	1.9	3.3	4.5	5.5	7.0	9.8
Hungary	1.5	2.4	3.4	4.1	5.7	7.3
Poland	3.4	5.7	8.0	11.0	13.2	16.6
Romania	0.4	0.8	1.1	1.7	2.4	3.4
Russia	0.9	3.4	5.7	8.0	11.2	14.8
Slovakia	0.7	1.0	1.2	2.2	3.1	3.7
Slovenia	0.6	1.0	1.2	1.6	2.0	2.3
Rest of Eastern Europe	0.4	0.8	1.1	1.8	2.4	3.5
Eastern Europe total	10.3	19.5	27.8	38.3	50.4	66.1
Latin America						
Argentina	0.7	0.5	0.9	1.3	1.4	1.5
Brazil	4.2	4.9	5.8	6.8	7.9	9.0
Chile	0.4	0.4	0.5	0.6	0.7	0.8
Colombia	0.4	0.4	0.5	0.6	0.7	0.8
Mexico	1.1	1.5	1.8	2.0	2.4	2.7
Venezuela	0.4	0.5	0.6	0.7	0.8	0.9
Rest of Latin America	1.3	1.4	1.8	2.2	2.5	2.9
Latin America total	8.6	9.5	11.9	14.2	16.4	18.6

Table A19

Worldwide Fibre Channel Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	0.2	0.3	0.4	0.5	0.7	0.9
Israel	0.7	1.2	1.9	2.5	3.2	3.9
Saudi Arabia	0.3	0.6	0.8	1.0	1.3	1.7
South Africa	1.4	2.2	3.1	3.9	4.8	6.0
Turkey	0.3	0.5	0.8	1.2	1.9	2.8
United Arab Emirates	0.1	0.3	0.4	0.6	0.8	1.0
Other Gulf States	0.1	0.2	0.3	0.5	0.7	1.0
Rest of Middle East/Africa	0.4	0.8	1.2	1.7	2.3	3.1
Middle East/Africa total	3.4	6.1	8.8	12.0	15.7	20.3
North America						
Canada	91.1	144.0	203.4	262.7	347.3	429.1
United States	798.3	1,244.4	1,745.4	2,205.0	2,711.9	3,380.5
North America total	889.4	1,388.4	1,948.8	2,467.7	3,059.2	3,809.5
Western Europe						
Austria	12.1	19.1	26.4	34.2	43.0	54.9
Belgium	17.2	25.6	36.6	47.8	60.8	78.3
Denmark	12.4	18.1	26.3	35.0	44.8	58.5
Finland	12.1	18.7	27.0	34.7	43.7	55.7
France	82.4	129.6	196.5	209.4	262.3	303.0
Germany	146.9	234.2	290.5	392.3	479.7	616.5
Greece	4.1	5.8	9.7	12.9	16.8	22.2
Ireland	8.3	12.7	18.4	23.7	29.4	37.1
Italy	52.5	78.9	107.3	141.4	177.3	227.9
Netherlands	29.0	42.1	60.8	78.2	98.3	125.1
Norway	8.0	13.7	18.1	23.8	30.5	39.5
Portugal	5.5	9.2	14.1	19.0	25.1	33.5
Spain	25.3	35.6	49.9	62.9	77.7	97.0
Sweden	21.1	28.1	44.2	57.5	72.9	93.7
Switzerland	26.5	37.1	50.4	63.5	77.3	95.8
United Kingdom	118.9	142.9	234.3	310.7	389.3	501.9
Western Europe total	582.1	851.2	1,210.4	1,546.9	1,929.0	2,440.5
Worldwide	1,901.9	2,908.3	4,090.5	5,219.3	6,498.5	8,140.6

Source: IDC, June 2002

Table A20

Worldwide Storage Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	462.5	517.7	541.6	563.0	596.1	626.6
China	397.8	474.6	549.3	639.3	731.0	800.2
Hong Kong	122.7	116.3	119.0	118.2	126.3	133.5
India	136.7	157.2	197.9	256.7	322.7	396.8
Indonesia	36.5	42.1	47.8	48.5	46.2	47.2
Japan	4,533.2	4,800.3	5,143.1	5,654.6	6,178.1	6,551.0
Korea	446.1	449.3	478.9	475.1	472.8	498.7
Malaysia	54.7	56.1	60.8	70.1	78.8	86.1
New Zealand	69.8	68.0	64.6	61.8	60.7	62.2
Philippines	32.6	33.9	36.3	39.1	43.3	47.2
Singapore	102.1	112.5	124.8	132.9	149.7	166.9
Taiwan	145.8	146.3	149.7	154.9	156.7	157.0
Thailand	49.2	50.0	53.4	59.6	68.6	76.9
Vietnam	8.5	10.3	12.3	14.8	17.7	19.7
Rest of Asia/Pacific	71.6	70.1	79.7	95.5	115.9	130.5
Asia/Pacific total	6,669.7	7,104.6	7,659.3	8,384.2	9,164.6	9,800.5
Eastern Europe						
Bulgaria	4.6	6.6	7.6	9.0	10.5	12.5
Croatia	11.3	10.1	11.0	12.3	13.4	15.5
Czech Republic	56.3	62.1	63.6	69.9	77.7	78.1
Hungary	42.2	49.4	51.5	55.5	62.0	68.6
Poland	72.4	78.8	85.0	98.6	113.8	133.0
Romania	7.1	9.1	10.1	11.7	13.0	15.1
Russia	72.1	86.2	100.7	115.4	132.8	153.7
Slovakia	12.0	15.4	15.5	17.1	20.8	23.4
Slovenia	8.9	10.8	11.2	13.7	15.7	18.6
Rest of Eastern Europe	14.7	16.4	22.8	26.6	29.4	41.9
Eastern Europe total	301.6	345.0	379.1	429.7	489.2	560.3
Latin America						
Argentina	74.3	54.2	94.4	128.3	140.7	144.0
Brazil	430.9	476.7	540.5	611.8	687.3	767.0
Chile	37.0	38.9	50.0	60.6	70.4	80.4
Colombia	42.7	42.4	54.2	62.9	71.0	80.3
Mexico	112.5	146.7	176.2	204.4	236.9	272.2
Venezuela	43.2	46.4	59.5	70.9	82.9	94.9
Rest of Latin America	133.2	139.7	182.7	218.2	252.0	285.2
Latin America total	874.0	944.9	1,157.5	1,357.1	1,541.1	1,724.0

Table A20
Worldwide Storage Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	6.1	4.9	5.3	7.3	9.4	11.1
Israel	27.7	23.8	26.1	34.8	43.6	48.3
Saudi Arabia	10.6	11.2	10.7	14.2	18.0	20.7
South Africa	53.5	42.1	43.3	53.8	64.3	74.4
Turkey	10.4	9.6	10.8	16.4	25.9	35.0
United Arab Emirates	5.3	5.1	6.2	8.2	10.6	12.4
Other Gulf States	4.0	4.0	4.6	6.7	9.3	11.8
Rest of Middle East/Africa	15.0	14.8	16.8	23.7	31.0	39.2
Middle East/Africa total	132.5	115.5	123.9	165.0	212.1	252.8
North America						
Canada	1,378.0	1,480.8	1,610.3	1,773.7	2,049.8	2,295.9
United States	13,043.2	13,477.1	14,612.5	15,805.6	17,282.6	18,289.5
North America total	14,421.1	14,957.9	16,222.8	17,579.3	19,332.5	20,585.4
Western Europe						
Austria	193.5	198.6	208.3	225.9	248.6	273.6
Belgium	279.4	273.4	295.4	321.3	356.2	394.4
Denmark	198.9	193.8	211.8	235.8	263.0	295.5
Finland	192.8	195.8	212.5	230.0	253.3	278.5
France	1,311.2	1,342.6	1,541.9	1,402.2	1,537.0	1,544.0
Germany	2,367.3	2,454.4	2,346.1	2,640.8	2,828.2	3,128.6
Greece	62.5	59.7	74.0	83.0	94.7	107.9
Ireland	130.3	130.1	143.0	155.3	168.3	183.9
Italy	852.3	838.2	859.2	948.3	1,039.7	1,152.0
Netherlands	462.0	450.1	493.0	532.0	583.3	639.1
Norway	129.4	144.8	146.4	161.1	180.1	201.2
Portugal	91.4	97.5	110.4	124.8	143.5	164.9
Spain	404.1	380.8	404.6	428.9	463.4	499.2
Sweden	328.1	297.6	350.5	382.8	424.1	469.8
Switzerland	421.6	405.8	415.8	438.1	466.7	497.9
United Kingdom	1,857.2	1,510.9	1,850.5	2,052.3	2,239.3	2,484.0
Western Europe total	9,281.9	8,974.0	9,663.5	10,362.6	11,289.6	12,314.7
Worldwide	31,680.8	32,441.9	35,206.0	38,277.8	42,029.0	45,237.7

Source: IDC, June 2002

Table A21
Worldwide Printers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	262.3	246.0	245.1	245.9	247.0	245.6
China	1,167.6	1,299.2	1,366.4	1,491.7	1,602.6	1,735.5
Hong Kong	94.4	82.2	83.9	88.9	90.3	90.8
India	212.6	211.4	237.2	285.8	344.3	397.8
Indonesia	76.5	69.2	68.8	71.9	73.8	74.7
Japan	2,938.3	3,090.1	3,340.7	3,390.0	3,372.8	3,365.8
Korea	509.4	494.9	510.1	545.0	586.1	624.5
Malaysia	106.1	92.0	94.0	97.8	99.8	100.5
New Zealand	44.6	41.4	41.7	42.6	43.1	43.3
Philippines	40.7	39.2	39.3	39.7	39.8	40.3
Singapore	68.3	63.2	64.3	67.1	68.6	69.2
Taiwan	195.9	185.7	187.6	190.7	193.9	196.6
Thailand	111.8	104.4	104.7	103.4	105.8	107.7
Vietnam	37.5	37.3	39.3	41.9	44.5	45.0
Rest of Asia/Pacific	65.0	60.8	63.0	66.3	69.5	70.3
Asia/Pacific total	5,930.9	6,117.1	6,486.0	6,768.6	6,981.8	7,207.5
Eastern Europe						
Bulgaria	13.0	13.6	13.9	14.2	14.4	14.7
Croatia	22.8	25.1	25.8	25.9	26.2	27.2
Czech Republic	71.2	71.0	72.2	72.5	72.6	72.3
Hungary	51.5	50.8	50.7	50.8	51.7	52.6
Poland	155.0	158.9	161.8	165.4	167.7	170.7
Romania	34.1	36.4	35.0	33.5	32.9	33.7
Russia	434.4	454.6	473.1	501.6	522.8	519.5
Slovakia	21.6	21.8	22.5	23.2	23.7	24.2
Slovenia	23.1	23.5	23.8	23.5	23.6	23.7
Rest of Eastern Europe	156.1	159.3	171.8	182.3	198.8	204.0
Eastern Europe total	982.9	1,015.1	1,050.6	1,093.0	1,134.4	1,142.7
Latin America						
Argentina	146.1	19.3	55.6	123.7	151.2	177.0
Brazil	563.2	530.3	521.4	532.3	536.7	565.4
Chile	64.3	62.2	64.7	68.5	71.2	75.2
Colombia	90.4	84.0	75.2	78.8	102.6	101.6
Mexico	357.4	307.7	308.5	344.2	398.2	458.1
Venezuela	60.3	62.7	66.6	71.1	78.3	82.1
Rest of Latin America	222.5	225.6	227.5	247.3	269.9	303.7
Latin America total	1,504.2	1,291.8	1,319.6	1,465.9	1,608.2	1,763.2

Table A21

Worldwide Printers Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	60.3	66.7	74.3	85.0	95.8	109.5
Israel	112.8	118.0	123.9	128.8	133.6	138.7
Saudi Arabia	84.4	92.3	100.0	105.4	108.4	109.7
South Africa	110.9	108.5	107.4	108.8	111.9	116.8
Turkey	71.0	78.5	89.0	100.8	119.8	140.1
United Arab Emirates	37.8	40.6	43.0	44.9	46.0	46.6
Other Gulf States	23.3	25.5	28.4	27.9	29.7	28.6
Rest of Middle East/Africa	219.8	229.8	244.8	258.0	284.8	298.4
Middle East/Africa total	720.3	759.9	810.9	859.6	929.9	988.5
North America						
Canada	523.6	458.4	426.3	405.5	383.9	366.1
United States	8,105.3	7,180.6	7,102.7	7,402.3	7,717.7	7,853.8
North America total	8,628.9	7,639.1	7,529.0	7,807.8	8,101.6	8,219.9
Western Europe						
Austria	167.8	176.3	179.8	182.3	185.1	185.2
Belgium	270.8	266.8	271.8	275.2	275.3	271.7
Denmark	159.5	155.2	160.8	163.6	164.6	163.1
Finland	129.1	147.0	154.9	160.9	167.0	171.7
France	1,290.4	1,285.8	1,282.1	1,283.2	1,285.1	1,275.9
Germany	1,909.1	1,853.1	1,807.8	1,758.9	1,702.9	1,640.3
Greece	89.1	93.5	96.6	96.4	95.3	93.1
Ireland	73.7	78.9	86.6	90.9	94.4	97.4
Italy	937.8	1,012.6	1,023.6	1,007.4	995.5	971.4
Netherlands	359.4	356.8	359.1	358.5	354.7	346.7
Norway	139.5	154.4	162.5	164.7	165.4	163.7
Portugal	119.2	129.3	132.6	134.3	135.3	134.7
Spain	467.8	524.7	551.1	555.0	549.6	537.5
Sweden	219.6	236.6	255.3	268.6	280.3	289.2
Switzerland	267.4	295.8	300.0	303.9	304.5	300.2
United Kingdom	1,414.5	1,371.5	1,389.8	1,395.9	1,390.2	1,376.5
Western Europe total	8,014.8	8,138.3	8,214.4	8,199.8	8,145.1	8,018.4
Worldwide	25,781.9	24,961.2	25,410.4	26,194.7	26,900.9	27,340.1

Source: IDC, June 2002

Table A22
Worldwide Smart Handheld Devices Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	40.4	100.2	212.7	330.1	400.5	489.7
China	298.0	330.7	389.0	513.9	725.1	985.9
Hong Kong	56.8	68.0	120.1	213.3	312.3	370.8
India	2.1	4.0	8.7	15.8	27.3	47.3
Indonesia	7.7	11.9	17.6	25.5	37.3	53.9
Japan	470.3	522.4	656.0	866.6	1,167.4	1,514.6
Korea	67.8	102.4	139.6	188.1	320.1	443.9
Malaysia	16.3	25.1	36.6	51.3	71.7	98.6
New Zealand	7.7	16.8	35.9	55.3	64.9	79.7
Philippines	6.6	9.9	15.3	21.5	38.9	53.5
Singapore	48.6	60.2	130.1	166.0	202.5	221.7
Taiwan	57.7	65.7	99.2	189.3	261.0	348.5
Thailand	24.0	32.1	43.2	60.5	82.9	112.3
Vietnam	2.4	4.2	6.8	10.2	15.1	21.5
Rest of Asia/Pacific	10.2	11.5	14.4	17.0	24.5	33.1
Asia/Pacific total	1,116.4	1,365.1	1,925.2	2,724.4	3,751.6	4,875.0
Eastern Europe						
Bulgaria	1.7	2.8	4.3	5.8	7.3	9.7
Croatia	3.2	5.3	7.3	9.8	13.2	18.4
Czech Republic	9.5	15.3	20.9	29.7	37.7	49.7
Hungary	7.2	11.5	15.6	21.7	27.6	37.0
Poland	23.0	35.8	54.3	80.7	102.5	133.4
Romania	3.3	5.3	7.3	9.9	12.8	17.9
Russia	37.4	59.4	82.9	119.2	157.5	213.2
Slovakia	2.8	4.6	6.2	8.6	11.1	15.4
Slovenia	2.4	3.9	5.4	7.7	9.8	13.1
Rest of Eastern Europe	17.3	28.8	42.5	61.1	83.6	117.3
Eastern Europe total	107.9	172.6	246.8	354.2	463.2	625.1
Latin America						
Argentina	28.5	31.4	41.1	52.9	63.8	71.6
Brazil	106.5	118.0	149.1	182.6	213.4	237.9
Chile	4.6	5.7	7.9	10.6	13.2	13.8
Colombia	5.9	7.8	9.6	11.3	13.1	14.1
Mexico	87.2	101.0	127.7	152.4	166.0	187.6
Venezuela	5.6	7.4	9.1	10.7	12.4	13.4
Rest of Latin America	12.4	16.2	20.1	23.8	27.9	30.2
Latin America total	250.6	287.4	364.5	444.2	509.8	568.7

Table A22
Worldwide Smart Handheld Devices Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	4.2	5.0	7.3	9.9	11.5	14.0
Israel	15.5	21.9	30.4	39.6	48.8	59.1
Saudi Arabia	7.7	15.0	18.8	22.6	26.8	31.6
South Africa	26.8	32.2	51.5	55.4	65.0	75.7
Turkey	9.0	16.0	30.7	40.0	50.0	63.5
United Arab Emirates	6.3	8.7	11.5	16.3	19.0	22.0
Other Gulf States	6.0	8.6	11.5	15.3	18.2	21.9
Rest of Middle East/Africa	22.3	35.4	51.7	66.5	79.8	99.6
Middle East/Africa total	97.8	142.9	213.4	265.6	319.2	387.4
North America						
Canada	233.8	275.9	295.2	311.3	328.3	343.3
United States	3,069.2	3,404.8	3,709.4	3,970.8	4,247.6	4,428.3
North America total	3,303.0	3,680.7	4,004.6	4,282.1	4,575.9	4,771.6
Western Europe						
Austria	20.2	23.4	25.3	26.8	27.4	27.3
Belgium	26.6	29.7	32.2	34.0	34.9	34.8
Denmark	23.3	25.9	27.9	29.3	29.9	29.1
Finland	23.3	24.6	25.6	26.0	25.5	24.3
France	195.4	228.2	257.6	281.9	297.3	303.7
Germany	295.9	344.9	388.9	426.2	446.1	452.8
Greece	6.6	7.8	9.6	10.6	11.5	12.2
Ireland	10.1	10.3	11.4	12.3	12.9	13.2
Italy	98.3	119.4	136.5	153.9	168.0	177.3
Netherlands	73.9	81.6	90.9	96.6	99.1	98.9
Norway	15.8	16.8	18.1	18.9	19.3	19.1
Portugal	11.3	12.5	14.1	15.3	16.2	16.5
Spain	67.5	87.1	105.7	121.1	134.0	142.4
Sweden	48.2	56.5	61.7	64.8	66.1	65.2
Switzerland	65.9	79.3	88.9	95.0	97.5	96.3
United Kingdom	349.1	386.4	414.6	432.7	440.6	436.7
Western Europe total	1,331.4	1,534.5	1,709.2	1,845.3	1,926.3	1,949.7
Worldwide	6,207.1	7,183.2	8,463.8	9,915.8	11,545.9	13,177.5

Source: IDC, June 2002

Table A23

Worldwide Other Add-Ons Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	218.0	219.7	227.4	235.2	242.4	247.9
China	708.3	781.1	935.0	1,121.0	1,286.1	1,444.2
Hong Kong	78.4	65.8	71.2	76.4	80.2	83.9
India	124.3	124.0	148.7	189.9	256.4	337.6
Indonesia	35.3	37.5	40.8	47.3	54.9	63.7
Japan	2,065.8	1,683.6	1,740.4	1,948.7	2,008.3	2,027.8
Korea	316.8	306.3	339.4	378.1	409.0	452.7
Malaysia	70.5	75.8	83.3	93.3	104.4	116.0
New Zealand	38.7	34.9	36.7	37.6	37.7	38.8
Philippines	25.8	25.4	31.2	36.2	41.4	45.9
Singapore	64.8	64.7	66.2	68.8	70.8	72.2
Taiwan	113.2	114.3	122.8	132.6	143.8	154.5
Thailand	51.4	55.0	58.2	63.3	72.3	81.4
Vietnam	10.2	11.9	14.5	17.5	20.6	23.9
Rest of Asia/Pacific	26.2	25.5	30.8	41.5	52.4	63.6
Asia/Pacific total	3,947.5	3,625.6	3,946.7	4,487.4	4,880.7	5,254.2
Eastern Europe						
Bulgaria	7.4	8.1	9.2	9.9	11.0	12.2
Croatia	8.0	9.0	10.0	11.2	12.4	13.7
Czech Republic	45.6	49.5	53.9	58.6	63.7	69.3
Hungary	29.5	32.4	35.6	39.0	42.7	46.7
Poland	40.8	44.2	47.8	51.8	56.0	60.5
Romania	7.9	8.8	9.8	10.6	11.8	13.4
Russia	66.3	77.3	83.3	89.0	95.3	108.2
Slovakia	12.9	14.4	15.8	17.5	19.4	21.3
Slovenia	8.0	8.8	9.6	10.2	11.0	11.8
Rest of Eastern Europe	45.2	48.1	53.1	60.1	69.3	78.2
Eastern Europe total	271.6	300.6	328.1	358.1	392.5	435.3
Latin America						
Argentina	15.8	3.9	9.2	15.1	19.8	25.8
Brazil	61.6	69.7	79.6	90.0	103.2	118.8
Chile	7.0	7.5	8.5	9.7	11.0	12.6
Colombia	7.8	9.5	10.9	12.5	14.5	16.5
Mexico	47.3	56.4	64.6	77.4	94.6	114.7
Venezuela	22.2	24.7	27.6	32.6	38.6	45.3
Rest of Latin America	8.4	7.3	7.9	7.7	8.1	8.9
Latin America total	170.2	178.9	208.4	245.0	289.8	342.5

Table A23

Worldwide Other Add-Ons Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	13.6	15.1	16.4	18.7	20.4	22.4
Israel	23.0	26.0	29.0	31.8	34.6	37.1
Saudi Arabia	29.1	30.5	34.8	38.2	43.4	44.3
South Africa	75.8	78.8	81.9	85.5	89.5	93.4
Turkey	23.9	35.5	42.0	56.4	73.5	87.5
United Arab Emirates	12.8	15.0	17.0	19.8	22.5	24.7
Other Gulf States	11.0	13.6	16.7	18.6	21.4	24.5
Rest of Middle East/Africa	35.4	42.6	49.9	59.3	66.9	78.2
Middle East/Africa total	224.5	257.1	287.7	328.2	372.2	412.3
North America						
Canada	616.6	657.0	691.8	723.0	756.9	789.5
United States	5,391.3	4,733.6	4,980.2	5,104.7	5,172.7	5,271.7
North America total	6,007.9	5,390.6	5,672.1	5,827.7	5,929.7	6,061.2
Western Europe						
Austria	39.8	39.2	40.4	49.1	51.0	57.4
Belgium	50.6	50.1	49.9	59.0	61.4	68.2
Denmark	41.4	41.0	41.6	49.2	50.8	56.1
Finland	33.5	34.3	35.7	43.6	46.5	53.2
France	260.4	258.1	266.0	325.2	335.1	376.1
Germany	452.7	446.3	455.0	554.9	569.6	637.4
Greece	12.1	12.3	13.0	16.3	17.1	19.5
Ireland	21.8	22.5	23.7	29.7	31.5	36.2
Italy	167.2	176.6	193.0	237.2	259.4	300.8
Netherlands	92.5	90.9	89.3	106.1	109.1	120.6
Norway	32.5	31.9	32.4	38.7	39.9	44.2
Portugal	20.6	20.7	21.3	26.0	27.1	30.6
Spain	80.6	81.6	85.5	107.6	112.0	128.1
Sweden	74.8	75.7	75.6	89.1	95.0	106.5
Switzerland	76.6	74.3	75.9	93.3	94.6	105.6
United Kingdom	357.1	358.8	370.4	454.6	473.4	535.2
Western Europe total	1,814.3	1,814.3	1,868.7	2,279.6	2,373.5	2,675.7
Worldwide	12,436.0	11,567.1	12,311.6	13,526.0	14,238.4	15,181.2

Source: IDC, June 2002

Table A24

Worldwide Peripherals Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	520.6	565.9	685.2	811.2	889.9	983.3
China	2,173.9	2,411.0	2,690.4	3,126.6	3,613.8	4,165.6
Hong Kong	229.5	216.1	275.2	378.5	482.8	545.5
India	339.0	339.4	394.6	491.5	628.0	782.7
Indonesia	119.6	118.6	127.3	144.7	166.1	192.2
Japan	5,474.3	5,296.2	5,737.1	6,205.3	6,548.5	6,908.3
Korea	893.9	903.6	989.0	1,111.3	1,315.2	1,521.0
Malaysia	192.9	193.0	214.0	242.4	275.9	315.1
New Zealand	91.0	93.1	114.3	135.5	145.7	161.8
Philippines	73.1	74.5	85.9	97.4	120.1	139.7
Singapore	181.6	188.1	260.5	302.0	341.9	363.1
Taiwan	366.8	365.7	409.6	512.6	598.7	699.6
Thailand	187.1	191.5	206.1	227.2	261.0	301.4
Vietnam	50.1	53.3	60.5	69.6	80.2	90.4
Rest of Asia/Pacific	101.3	97.8	108.2	124.7	146.4	167.0
Asia/Pacific total	10,994.8	11,107.8	12,358.0	13,980.4	15,614.2	17,336.7
Eastern Europe						
Bulgaria	22.0	24.6	27.4	29.9	32.7	36.6
Croatia	34.0	39.4	43.2	47.0	51.8	59.2
Czech Republic	126.3	135.8	147.0	160.8	173.9	191.3
Hungary	88.2	94.7	101.9	111.5	122.1	136.3
Poland	218.8	238.9	263.9	297.9	326.2	364.6
Romania	45.3	50.5	52.1	54.0	57.4	65.0
Russia	538.1	591.4	639.3	709.9	775.6	840.9
Slovakia	37.4	40.8	44.6	49.4	54.2	60.9
Slovenia	33.5	36.2	38.8	41.4	44.3	48.7
Rest of Eastern Europe	218.6	236.2	267.4	303.5	351.6	399.5
Eastern Europe total	1,362.3	1,488.3	1,625.5	1,805.3	1,990.0	2,203.1
Latin America						
Argentina	190.5	54.5	105.9	191.6	234.8	274.4
Brazil	731.2	718.0	750.1	804.9	853.4	922.1
Chile	75.9	75.4	81.1	88.9	95.4	101.7
Colombia	104.2	101.2	95.7	102.6	130.2	132.2
Mexico	491.9	465.1	500.8	574.0	658.8	760.4
Venezuela	88.2	94.8	103.3	114.4	129.3	140.8
Rest of Latin America	243.2	249.0	255.5	278.8	305.9	342.9
Latin America total	1,925.0	1,758.1	1,892.5	2,155.2	2,407.8	2,674.4

Table A24
Worldwide Peripherals Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	78.1	86.8	98.1	113.6	127.7	146.0
Israel	151.3	165.9	183.3	200.2	217.0	234.9
Saudi Arabia	121.2	137.8	153.6	166.2	178.6	185.6
South Africa	213.5	219.5	240.8	249.7	266.4	286.0
Turkey	103.9	130.1	161.7	197.1	243.3	291.1
United Arab Emirates	56.9	64.4	71.6	80.9	87.5	93.4
Other Gulf States	40.3	47.7	56.6	61.8	69.4	75.0
Rest of Middle East/Africa	277.5	307.8	346.3	383.8	431.4	476.2
Middle East/Africa total	1,042.6	1,160.0	1,312.0	1,453.4	1,621.2	1,788.1
North America						
Canada	1,374.1	1,391.3	1,413.3	1,439.7	1,469.2	1,498.9
United States	16,565.8	15,319.0	15,792.4	16,477.9	17,138.0	17,553.9
North America total	17,939.9	16,710.3	17,205.7	17,917.6	18,607.2	19,052.8
Western Europe						
Austria	227.8	238.9	245.4	258.2	263.5	269.9
Belgium	348.0	346.5	353.9	368.2	371.6	374.7
Denmark	224.2	222.1	230.4	242.1	245.3	248.3
Finland	185.9	205.9	216.2	230.5	239.1	249.2
France	1,746.2	1,772.1	1,805.8	1,890.3	1,917.5	1,955.6
Germany	2,657.7	2,644.3	2,651.7	2,739.9	2,718.6	2,730.5
Greece	107.8	113.6	119.3	123.3	123.8	124.8
Ireland	105.6	111.7	121.7	132.9	138.8	146.8
Italy	1,203.3	1,308.7	1,353.2	1,398.4	1,422.9	1,449.5
Netherlands	525.9	529.2	539.3	561.2	562.9	566.1
Norway	187.8	203.2	213.0	222.3	224.5	227.1
Portugal	151.1	162.5	168.0	175.6	178.6	181.8
Spain	615.9	693.4	742.3	783.6	795.5	808.0
Sweden	342.6	368.8	392.6	422.6	441.4	461.0
Switzerland	410.0	449.3	464.7	492.2	496.6	502.0
United Kingdom	2,120.7	2,116.8	2,174.8	2,283.3	2,304.1	2,348.4
Western Europe total	11,160.4	11,487.0	11,792.2	12,324.7	12,444.9	12,643.8
Worldwide	44,425.1	43,711.5	46,185.8	49,636.6	52,685.3	55,698.9

Source: IDC, June 2002

Table A25

Worldwide Networking Equipment Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	857.4	914.2	989.1	1,074.5	1,138.1	1,203.2
China	2,665.4	3,436.8	4,543.3	5,989.3	7,731.3	9,941.3
Hong Kong	270.7	252.5	272.0	312.4	347.3	372.6
India	308.3	350.1	441.3	589.9	776.4	975.5
Indonesia	81.2	88.3	100.0	124.3	151.4	176.7
Japan	6,051.2	7,219.0	8,259.0	9,035.3	9,534.4	9,856.8
Korea	815.1	893.6	1,038.5	1,249.4	1,472.8	1,715.9
Malaysia	176.7	196.4	243.9	307.6	377.6	442.8
New Zealand	94.2	105.7	112.6	120.5	124.6	127.8
Philippines	82.5	94.0	113.6	136.4	163.3	191.6
Singapore	285.9	303.7	363.1	427.9	496.9	559.7
Taiwan	432.5	455.8	535.4	622.5	719.4	810.0
Thailand	146.1	155.0	172.9	196.6	227.9	267.5
Vietnam	39.2	46.2	49.8	58.2	69.4	80.4
Rest of Asia/Pacific	68.3	71.7	78.8	90.8	106.0	124.5
Asia/Pacific total	12,374.6	14,583.0	17,313.4	20,335.6	23,436.9	26,846.2
Eastern Europe						
Bulgaria	14.6	16.4	17.9	19.0	20.6	22.3
Croatia	20.9	23.2	25.8	29.2	32.0	35.2
Czech Republic	163.0	175.1	186.3	196.5	211.3	229.6
Hungary	88.5	97.2	106.6	117.4	128.5	141.8
Poland	215.2	231.7	248.0	266.5	286.1	307.1
Romania	19.0	21.7	24.9	28.3	32.0	36.2
Russia	342.0	379.6	417.6	458.2	499.6	545.1
Slovakia	35.9	40.1	43.8	47.8	52.1	56.7
Slovenia	31.7	34.2	36.1	38.2	40.2	42.7
Rest of Eastern Europe	186.7	206.5	223.0	243.9	263.2	293.0
Eastern Europe total	1,117.4	1,225.8	1,330.1	1,444.8	1,565.6	1,709.7
Latin America						
Argentina	177.6	99.6	102.1	99.8	97.5	97.8
Brazil	1,011.7	1,053.5	1,156.8	1,214.9	1,258.0	1,301.9
Chile	81.7	84.4	93.5	104.2	116.6	126.3
Colombia	139.6	135.3	152.3	173.5	210.4	226.8
Mexico	405.6	412.0	441.3	484.5	529.1	580.2
Venezuela	96.1	70.7	76.2	84.3	93.9	107.9
Rest of Latin America	311.6	315.2	343.5	358.5	371.1	392.2
Latin America total	2,223.9	2,170.6	2,365.9	2,519.8	2,676.7	2,833.1

Table A25

Worldwide Networking Equipment Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	73.4	65.6	74.3	85.9	94.5	103.6
Israel	212.1	224.5	248.9	276.6	304.5	317.3
Saudi Arabia	85.2	99.2	115.3	133.6	151.0	168.2
South Africa	234.4	248.5	264.4	284.0	300.5	315.5
Turkey	135.0	227.9	303.4	342.1	396.0	462.5
United Arab Emirates	48.9	55.5	63.3	73.8	81.6	90.1
Other Gulf States	58.7	67.6	79.4	86.4	96.2	105.9
Rest of Middle East/Africa	95.6	107.0	121.1	137.4	158.1	182.9
Middle East/Africa total	943.3	1,095.9	1,270.1	1,419.8	1,582.3	1,746.0
North America						
Canada	1,000.8	1,062.1	1,133.8	1,221.6	1,313.9	1,403.7
United States	24,833.4	22,193.1	24,028.0	27,437.0	30,784.9	34,628.0
North America total	25,834.2	23,255.2	25,161.7	28,658.6	32,098.9	36,031.6
Western Europe						
Austria	262.2	275.1	277.9	292.7	311.5	299.9
Belgium	454.6	437.6	452.0	473.9	474.0	467.7
Denmark	362.1	374.1	370.1	384.3	380.4	384.9
Finland	265.3	256.5	268.8	278.2	292.1	300.6
France	1,692.9	1,808.3	1,879.8	1,996.5	1,920.5	1,874.9
Germany	3,544.9	3,328.0	3,442.9	3,610.9	3,524.9	3,498.1
Greece	104.8	104.6	110.4	120.1	132.5	143.2
Ireland	127.1	123.9	127.5	136.1	142.3	147.3
Italy	1,373.9	1,286.1	1,373.5	1,489.5	1,597.4	1,566.9
Netherlands	794.2	798.2	813.3	846.2	852.2	839.4
Norway	258.2	236.6	240.7	252.2	265.9	273.1
Portugal	160.7	163.5	159.9	169.3	176.5	175.3
Spain	747.2	775.8	835.6	926.4	946.6	961.0
Sweden	603.6	601.0	592.0	597.2	611.3	604.9
Switzerland	656.7	633.9	622.9	622.0	602.0	594.6
United Kingdom	2,776.6	2,896.4	2,975.6	3,040.0	3,139.8	3,136.1
Western Europe total	14,185.1	14,099.7	14,542.9	15,235.5	15,369.8	15,268.0
Worldwide	56,678.5	56,430.1	61,984.1	69,614.1	76,730.1	84,434.6

Source: IDC, June 2002

Table A26
Worldwide Hardware Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	5,135.7	5,315.5	5,643.0	6,005.4	6,296.2	6,572.8
China	15,948.3	18,183.1	22,007.6	26,837.5	31,685.4	36,945.6
Hong Kong	1,821.1	1,608.7	1,778.5	2,006.3	2,217.1	2,372.0
India	2,688.9	2,744.7	3,297.5	4,227.7	5,595.4	7,220.1
Indonesia	769.5	813.4	896.4	1,031.0	1,193.7	1,380.7
Japan	45,089.7	41,471.4	44,400.2	49,272.2	51,561.8	52,895.4
Korea	6,814.7	6,775.0	7,563.8	8,555.6	9,521.4	10,732.8
Malaysia	1,480.6	1,577.1	1,760.0	2,018.9	2,304.3	2,600.3
New Zealand	839.6	799.5	848.6	895.0	917.7	954.8
Philippines	576.8	589.9	711.8	828.4	960.5	1,078.8
Singapore	1,539.9	1,589.0	1,758.4	1,918.5	2,078.9	2,208.4
Taiwan	2,655.4	2,712.6	2,970.4	3,337.2	3,694.6	4,054.8
Thailand	1,135.2	1,197.3	1,279.4	1,412.5	1,617.4	1,843.7
Vietnam	253.6	289.2	342.6	409.6	483.6	557.7
Rest of Asia/Pacific	642.4	631.2	735.2	941.8	1,164.1	1,393.0
Asia/Pacific total	87,391.5	86,297.8	95,993.4	109,697.7	121,291.9	132,811.1
Eastern Europe						
Bulgaria	124.9	143.3	161.2	171.6	183.9	197.8
Croatia	216.0	234.8	256.5	271.4	307.5	342.0
Czech Republic	881.2	943.6	1,003.6	1,076.3	1,159.5	1,232.4
Hungary	604.1	648.7	684.6	740.0	796.1	860.2
Poland	1,665.1	1,736.5	1,967.9	2,212.0	2,379.5	2,541.3
Romania	231.3	252.8	272.5	280.6	307.8	348.2
Russia	2,700.7	2,917.5	3,154.3	3,475.5	3,860.5	4,229.3
Slovakia	261.9	275.5	298.4	317.2	349.1	380.8
Slovenia	206.0	220.9	236.5	253.5	274.7	294.4
Rest of Eastern Europe	1,230.1	1,345.7	1,505.4	1,664.2	1,905.7	2,154.3
Eastern Europe total	8,121.1	8,719.3	9,540.8	10,462.4	11,524.2	12,580.6
Latin America						
Argentina	1,358.7	435.2	783.1	1,114.6	1,302.9	1,507.6
Brazil	6,322.5	6,265.6	6,575.3	6,870.9	7,246.2	7,686.6
Chile	611.1	598.3	639.5	687.0	734.6	786.8
Colombia	761.5	788.9	838.7	901.6	1,010.3	1,071.9
Mexico	3,731.7	3,936.4	4,169.5	4,606.6	5,193.0	5,861.6
Venezuela	734.9	613.5	632.9	629.6	659.1	704.5
Rest of Latin America	2,069.0	2,096.5	2,206.9	2,390.0	2,591.9	2,820.3
Latin America total	15,589.4	14,734.5	15,845.9	17,200.2	18,738.0	20,439.4

Table A26
Worldwide Hardware Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	358.8	341.6	388.2	438.9	475.1	519.2
Israel	1,222.2	1,288.9	1,415.1	1,539.4	1,686.0	1,797.8
Saudi Arabia	580.3	748.6	787.5	816.8	887.0	930.7
South Africa	1,816.6	1,772.2	2,097.9	2,048.9	2,179.1	2,295.5
Turkey	669.8	925.2	1,307.6	1,542.8	1,849.3	2,151.8
United Arab Emirates	387.7	415.9	447.8	510.1	542.9	569.9
Other Gulf States	402.2	446.5	490.0	538.5	581.6	624.1
Rest of Middle East/Africa	1,400.6	1,620.1	1,862.5	2,016.0	2,212.6	2,466.2
Middle East/Africa total	6,838.2	7,558.9	8,796.6	9,451.3	10,413.8	11,355.2
North America						
Canada	9,551.4	9,061.7	9,314.4	9,571.1	9,773.1	10,083.7
United States	136,191.6	124,019.7	129,232.1	136,725.1	142,799.8	146,657.1
North America total	145,742.9	133,081.4	138,546.4	146,296.2	152,573.0	156,740.8
Western Europe						
Austria	2,087.2	1,990.5	1,998.4	2,082.0	2,172.5	2,220.7
Belgium	2,770.7	2,670.8	2,611.7	2,694.2	2,755.7	2,848.5
Denmark	2,217.1	2,225.1	2,245.5	2,310.9	2,340.6	2,397.8
Finland	1,703.7	1,721.0	1,747.4	1,816.8	1,890.9	1,982.4
France	13,685.6	13,481.7	13,238.5	13,441.1	13,735.9	13,785.5
Germany	23,037.5	21,531.6	21,422.4	22,125.6	22,571.4	23,100.4
Greece	833.2	833.6	856.3	897.5	941.8	1,009.8
Ireland	1,105.6	1,056.8	1,081.0	1,154.3	1,217.8	1,281.1
Italy	8,998.1	9,097.9	9,245.2	9,878.1	10,530.6	10,993.2
Netherlands	5,009.4	5,005.7	4,949.6	5,096.6	5,192.4	5,236.2
Norway	1,755.2	1,673.4	1,709.9	1,776.8	1,842.1	1,917.8
Portugal	1,253.5	1,271.4	1,315.6	1,417.5	1,500.5	1,582.6
Spain	4,634.5	4,632.6	4,842.6	5,186.8	5,498.4	5,724.0
Sweden	3,610.4	3,688.6	3,719.1	3,823.9	3,916.1	4,021.8
Switzerland	3,970.4	3,871.2	3,806.6	3,879.7	3,924.9	3,979.6
United Kingdom	19,090.7	18,310.3	18,415.5	19,133.6	19,565.7	19,949.2
Western Europe total	95,762.9	93,062.1	93,205.3	96,715.6	99,597.1	102,030.5
Worldwide	359,446.0	343,454.0	361,928.5	389,823.3	414,137.8	435,957.6

Source: IDC, June 2002

Table A27

Worldwide Packaged Software Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	2,164.4	2,472.7	2,882.3	3,434.2	4,126.4	5,067.2
China	1,721.0	2,342.0	3,258.0	4,546.6	6,268.7	8,569.9
Hong Kong	363.0	403.6	471.1	565.2	683.7	831.0
India	336.7	390.3	456.5	545.6	656.9	801.8
Indonesia	62.8	70.2	81.3	97.3	118.0	141.6
Japan	14,606.6	15,533.7	16,583.3	18,030.9	19,804.6	21,779.4
Korea	1,344.0	1,574.9	1,918.1	2,382.2	3,001.8	3,783.3
Malaysia	344.6	384.6	439.1	512.0	602.4	706.8
New Zealand	344.5	364.9	383.7	399.4	417.5	435.4
Philippines	117.8	133.4	154.8	182.3	216.8	256.6
Singapore	602.3	695.8	810.1	964.3	1,158.7	1,404.3
Taiwan	515.4	595.1	692.9	828.3	1,006.4	1,241.8
Thailand	147.8	164.8	191.3	227.9	272.6	328.7
Vietnam	28.6	34.6	41.7	50.4	60.1	71.5
Rest of Asia/Pacific	102.6	115.6	135.2	160.8	192.2	235.8
Asia/Pacific total	22,802.1	25,276.2	28,499.4	32,927.3	38,586.9	45,655.1
Eastern Europe						
Bulgaria	31.1	37.0	43.3	49.4	56.4	64.0
Croatia	77.6	86.6	98.1	109.6	121.9	135.3
Czech Republic	365.0	418.1	476.7	542.1	614.4	692.1
Hungary	325.6	368.8	418.0	472.0	530.5	594.8
Poland	512.6	587.1	672.1	766.2	871.1	987.4
Romania	46.7	54.7	63.1	69.8	78.2	88.0
Russia	431.0	492.0	554.0	618.4	693.2	774.8
Slovakia	101.6	113.7	127.5	141.3	156.2	173.8
Slovenia	71.8	81.6	92.6	104.7	115.5	129.9
Rest of Eastern Europe	249.1	285.3	331.1	378.6	431.7	478.8
Eastern Europe total	2,212.1	2,524.9	2,876.6	3,252.1	3,669.1	4,118.9
Latin America						
Argentina	384.2	172.8	269.7	365.1	453.9	532.4
Brazil	1,778.0	1,854.9	1,948.3	2,035.3	2,117.9	2,196.5
Chile	123.8	133.2	144.0	154.4	162.8	170.3
Colombia	175.5	189.9	211.4	232.2	252.6	272.2
Mexico	645.8	667.3	682.3	707.8	731.9	757.2
Venezuela	202.5	218.7	239.1	260.0	280.5	300.4
Rest of Latin America	217.9	239.3	260.0	285.0	307.7	330.3
Latin America total	3,527.8	3,476.2	3,754.8	4,039.8	4,307.2	4,559.2

Table A27
Worldwide Packaged Software Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	125.8	141.2	159.9	183.2	211.5	241.3
Israel	580.2	600.1	643.6	703.5	771.4	843.3
Saudi Arabia	230.9	263.2	298.6	334.0	372.1	413.5
South Africa	779.9	894.5	1,035.1	1,191.6	1,369.2	1,558.6
Turkey	172.3	214.9	313.4	430.8	606.3	680.5
United Arab Emirates	125.2	144.1	161.6	179.7	202.1	225.7
Other Gulf States	109.9	129.2	150.9	171.6	195.6	218.9
Rest of Middle East/Africa	249.7	278.4	309.5	348.4	394.2	438.4
Middle East/Africa total	2,373.8	2,665.5	3,072.7	3,542.8	4,122.3	4,620.3
North America						
Canada	4,959.3	5,370.2	5,910.2	6,701.1	7,646.5	8,749.0
United States	88,933.7	97,174.8	108,324.5	121,871.3	137,232.2	152,331.2
North America total	93,893.1	102,544.9	114,234.8	128,572.4	144,878.7	161,080.3
Western Europe						
Austria	1,103.6	1,161.6	1,219.1	1,370.0	1,559.6	1,759.9
Belgium	1,583.8	1,663.8	1,784.9	2,077.9	2,336.8	2,598.0
Denmark	1,053.4	1,108.8	1,134.0	1,324.0	1,507.6	1,676.1
Finland	877.8	950.4	1,077.3	1,257.8	1,432.2	1,592.3
France	8,377.1	8,870.4	9,468.9	11,121.6	12,588.7	13,995.7
Germany	11,537.3	11,932.8	12,927.6	15,226.0	17,337.7	19,359.4
Greece	255.3	267.6	288.2	337.4	390.7	435.8
Ireland	361.2	380.2	402.6	470.0	527.7	586.6
Italy	3,712.0	3,960.0	4,252.5	4,931.9	5,615.9	6,285.5
Netherlands	3,561.5	3,696.0	3,904.4	4,567.8	5,201.3	5,782.7
Norway	905.6	962.5	1,035.2	1,213.4	1,378.5	1,525.3
Portugal	357.3	378.5	406.4	480.4	553.8	620.2
Spain	1,805.8	1,953.6	2,097.9	2,449.4	2,789.1	3,184.7
Sweden	1,856.0	2,006.4	2,154.6	2,449.4	2,789.1	3,100.8
Switzerland	1,956.3	2,059.2	2,211.3	2,548.7	2,902.2	3,184.7
United Kingdom	10,791.7	11,457.6	12,360.6	14,420.3	16,446.0	18,228.0
Western Europe total	50,095.9	52,809.4	56,725.4	66,246.0	75,357.1	83,915.7
Worldwide	174,904.8	189,297.1	209,163.6	238,580.4	270,921.2	303,949.4

Source: IDC, June 2002

Table A28

Worldwide Services Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	5,160.6	5,787.8	6,442.0	7,206.6	8,020.1	8,848.5
China	1,235.8	1,827.7	2,721.5	4,136.7	6,486.3	10,365.7
Hong Kong	662.5	695.0	777.8	907.6	1,037.7	1,167.6
India	1,212.0	1,405.9	1,677.5	2,097.3	2,677.4	3,407.3
Indonesia	75.3	93.5	117.7	148.7	190.0	245.2
Japan	45,512.3	48,186.9	51,783.8	56,042.5	60,778.2	65,922.7
Korea	2,690.0	3,540.1	4,583.3	5,744.0	7,243.6	8,944.8
Malaysia	386.7	461.0	552.4	667.5	811.0	984.8
New Zealand	849.8	910.2	957.5	996.4	1,051.9	1,096.3
Philippines	296.9	356.7	434.7	542.4	688.5	886.1
Singapore	1,189.8	1,367.0	1,586.8	1,887.0	2,215.4	2,525.0
Taiwan	1,438.1	1,595.6	1,806.9	2,068.2	2,393.3	2,675.8
Thailand	237.5	273.8	321.9	378.6	446.3	527.5
Vietnam	30.0	38.1	44.9	52.8	62.4	70.8
Rest of Asia/Pacific	160.0	193.6	228.6	268.7	317.9	361.1
Asia/Pacific total	61,137.4	66,732.9	74,037.6	83,144.9	94,420.1	108,029.2
Eastern Europe						
Bulgaria	45.2	51.2	57.7	65.1	73.6	82.8
Croatia	90.8	103.5	118.2	135.8	151.3	171.3
Czech Republic	708.4	779.0	869.0	962.0	1,060.0	1,169.0
Hungary	504.4	562.4	626.1	702.1	789.3	878.5
Poland	754.1	859.8	979.6	1,133.1	1,312.1	1,498.5
Romania	52.1	59.6	70.9	83.9	96.2	111.3
Russia	1,001.7	1,314.2	1,634.9	1,997.8	2,441.7	3,010.7
Slovakia	157.8	181.3	210.3	242.1	280.6	317.3
Slovenia	81.4	91.5	100.3	108.9	118.6	128.0
Rest of Eastern Europe	313.7	358.5	411.1	468.4	540.2	604.7
Eastern Europe total	3,709.7	4,361.0	5,078.1	5,899.2	6,863.6	7,972.2
Latin America						
Argentina	1,084.6	481.9	694.1	921.4	1,180.1	1,444.0
Brazil	4,476.0	4,781.4	5,370.4	6,044.4	6,735.1	7,447.3
Chile	366.8	388.1	421.8	452.8	495.5	550.0
Colombia	504.9	564.9	632.8	707.4	791.0	883.2
Mexico	1,800.3	1,924.1	2,074.0	2,237.4	2,434.1	2,676.8
Venezuela	625.2	584.0	661.4	749.7	840.9	947.7
Rest of Latin America	539.2	537.4	603.1	681.1	765.8	861.0
Latin America total	9,396.9	9,261.9	10,457.6	11,794.2	13,242.4	14,809.9

Table A28
Worldwide Services Total Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	157.4	134.2	141.6	155.9	176.7	171.4
Israel	1,390.0	1,435.0	1,570.0	1,720.0	1,874.2	2,027.4
Saudi Arabia	691.4	781.7	888.2	992.0	1,094.0	1,205.3
South Africa	1,525.7	1,712.8	1,936.8	2,188.9	2,474.7	2,818.9
Turkey	288.2	356.8	452.0	574.9	714.2	807.6
United Arab Emirates	164.7	194.0	222.7	257.1	294.1	331.7
Other Gulf States	236.2	275.2	320.9	357.0	399.3	438.2
Rest of Middle East/Africa	394.8	450.7	526.3	597.5	675.5	763.5
Middle East/Africa total	4,848.3	5,340.3	6,058.5	6,843.3	7,702.7	8,564.0
North America						
Canada	10,586.9	11,393.5	12,441.0	13,698.0	15,035.9	16,484.7
United States	197,996.2	215,014.6	237,472.9	263,126.9	291,550.5	322,066.7
North America total	208,583.1	226,408.1	249,913.8	276,824.8	306,586.4	338,551.4
Western Europe						
Austria	2,444.6	2,618.4	2,810.0	3,031.8	3,287.7	3,537.2
Belgium	3,067.5	3,234.8	3,535.6	3,913.7	4,306.3	4,727.3
Denmark	2,735.2	2,994.3	3,292.7	3,643.6	4,028.7	4,413.8
Finland	1,742.2	1,909.9	2,103.5	2,318.0	2,551.2	2,776.8
France	24,467.5	27,080.5	29,875.8	33,067.4	36,651.3	40,209.7
Germany	26,670.5	28,719.6	31,064.4	33,865.3	36,981.6	40,344.7
Greece	497.6	546.2	609.1	677.5	737.7	794.0
Ireland	662.6	730.0	807.7	907.4	1,018.5	1,104.8
Italy	11,074.2	12,185.3	13,488.5	15,130.6	16,913.1	18,605.3
Netherlands	6,046.1	6,809.4	7,677.0	8,585.0	9,415.2	10,258.4
Norway	2,528.0	2,806.9	3,092.6	3,398.1	3,731.2	4,075.5
Portugal	657.4	718.2	789.3	871.3	962.3	1,058.0
Spain	4,266.3	4,657.0	5,133.1	5,704.1	6,344.4	7,019.3
Sweden	5,285.5	5,925.6	6,621.7	7,336.0	8,147.2	8,937.7
Switzerland	4,545.3	4,867.4	5,214.4	5,634.1	6,072.2	6,500.9
United Kingdom	27,422.9	30,116.6	33,104.6	36,662.6	40,503.8	44,202.9
Western Europe total	124,113.5	135,920.3	149,220.0	164,746.7	181,652.6	198,566.6
Worldwide	411,788.9	448,024.6	494,765.5	549,253.1	610,467.9	676,493.4

Source: IDC, June 2002

Table A29

Worldwide Total IT Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Asia/Pacific						
Australia	12,460.7	13,576.0	14,967.3	16,646.2	18,442.7	20,488.5
China	18,905.1	22,352.8	27,987.2	35,520.8	44,440.4	55,881.3
Hong Kong	2,846.6	2,707.4	3,027.5	3,479.0	3,938.5	4,370.6
India	4,237.6	4,540.9	5,431.6	6,870.6	8,929.8	11,429.3
Indonesia	907.5	977.2	1,095.4	1,277.0	1,501.7	1,767.5
Japan	105,208.7	105,192.1	112,767.3	123,345.6	132,144.6	140,597.5
Korea	10,848.7	11,890.0	14,065.2	16,681.8	19,766.9	23,461.0
Malaysia	2,211.9	2,422.6	2,751.5	3,198.5	3,717.6	4,291.9
New Zealand	2,033.9	2,074.7	2,189.8	2,290.8	2,387.1	2,486.5
Philippines	991.5	1,080.1	1,301.3	1,553.1	1,865.7	2,221.6
Singapore	3,332.0	3,651.8	4,155.3	4,769.8	5,453.1	6,137.6
Taiwan	4,608.8	4,903.3	5,470.2	6,233.7	7,094.3	7,972.4
Thailand	1,520.6	1,635.9	1,792.6	2,019.0	2,336.4	2,699.9
Vietnam	312.3	361.8	429.2	512.7	606.1	700.0
Rest of Asia/Pacific	905.1	940.5	1,099.0	1,371.3	1,674.2	1,989.8
Asia/Pacific total	171,330.9	178,306.9	198,530.4	225,769.8	254,298.9	286,495.4
Eastern Europe						
Bulgaria	201.2	231.5	262.2	286.1	313.9	344.7
Croatia	384.4	424.9	472.8	516.7	580.7	648.6
Czech Republic	1,954.6	2,140.6	2,349.4	2,580.4	2,833.8	3,093.5
Hungary	1,434.1	1,580.0	1,728.6	1,914.1	2,115.9	2,333.5
Poland	2,931.8	3,183.4	3,619.6	4,111.3	4,562.7	5,027.2
Romania	330.1	367.1	406.5	434.3	482.2	547.5
Russia	4,133.4	4,723.7	5,343.2	6,091.7	6,995.4	8,014.7
Slovakia	521.3	570.5	636.2	700.6	785.9	871.9
Slovenia	359.2	393.9	429.4	467.1	508.8	552.2
Rest of Eastern Europe	1,792.9	1,989.6	2,247.6	2,511.3	2,877.6	3,237.8
Eastern Europe total	14,043.0	15,605.3	17,495.4	19,613.6	22,056.8	24,671.7
Latin America						
Argentina	2,827.5	1,089.9	1,746.9	2,401.1	2,936.9	3,484.0
Brazil	12,576.5	12,902.0	13,893.9	14,950.6	16,099.1	17,330.4
Chile	1,101.7	1,119.6	1,205.2	1,294.1	1,392.8	1,507.0
Colombia	1,441.9	1,543.7	1,682.9	1,841.2	2,053.9	2,227.2
Mexico	6,177.8	6,527.8	6,925.9	7,551.8	8,359.0	9,295.7
Venezuela	1,562.6	1,416.3	1,533.4	1,639.3	1,780.6	1,952.6
Rest of Latin America	2,826.1	2,873.2	3,070.0	3,356.1	3,665.3	4,011.6
Latin America total	28,514.1	27,472.5	30,058.2	33,034.2	36,287.6	39,808.5

Table A29
Worldwide Total IT Spending, 2001–2006 ($M)

	2001	2002	2003	2004	2005	2006
Middle East/Africa						
Egypt	642.0	617.0	689.7	778.0	863.3	931.9
Israel	3,192.4	3,323.9	3,628.7	3,962.9	4,331.6	4,668.5
Saudi Arabia	1,502.6	1,793.5	1,974.4	2,142.8	2,353.1	2,549.6
South Africa	4,122.2	4,379.5	5,069.8	5,429.4	6,023.0	6,673.0
Turkey	1,130.3	1,496.9	2,073.1	2,548.5	3,169.8	3,639.9
United Arab Emirates	677.6	754.0	832.1	946.8	1,039.1	1,127.3
Other Gulf States	748.3	850.9	961.8	1,067.1	1,176.5	1,281.3
Rest of Middle East/Africa	2,045.0	2,349.1	2,698.2	2,961.9	3,282.3	3,668.1
Middle East/Africa total	14,060.4	15,564.8	17,927.8	19,837.4	22,238.8	24,539.5
North America						
Canada	25,097.6	25,825.3	27,665.6	29,970.2	32,455.5	35,317.4
United States	423,121.5	436,209.1	475,029.5	521,723.3	571,582.6	621,055.1
North America total	448,219.1	462,034.4	502,695.0	551,693.5	604,038.1	656,372.5
Western Europe						
Austria	5,635.4	5,770.5	6,027.4	6,483.9	7,019.8	7,517.9
Belgium	7,422.0	7,569.4	7,932.2	8,685.8	9,398.7	10,173.9
Denmark	6,005.7	6,328.2	6,672.2	7,278.5	7,876.9	8,487.8
Finland	4,323.8	4,581.3	4,928.2	5,392.6	5,874.4	6,351.6
France	46,530.2	49,432.6	52,583.3	57,630.1	62,976.0	67,991.0
Germany	61,245.3	62,183.9	65,414.4	71,216.9	76,890.7	82,804.4
Greece	1,586.2	1,647.5	1,753.6	1,912.4	2,070.2	2,239.6
Ireland	2,129.4	2,167.0	2,291.3	2,531.8	2,763.9	2,972.5
Italy	23,784.3	25,243.3	26,986.2	29,940.6	33,059.7	35,884.0
Netherlands	14,617.1	15,511.1	16,531.0	18,249.4	19,808.9	21,277.3
Norway	5,188.8	5,442.7	5,837.7	6,388.4	6,951.8	7,518.6
Portugal	2,268.2	2,368.2	2,511.3	2,769.2	3,016.6	3,260.8
Spain	10,706.7	11,243.2	12,073.6	13,340.4	14,631.9	15,927.9
Sweden	10,751.9	11,620.6	12,495.3	13,609.3	14,852.4	16,060.4
Switzerland	10,472.1	10,797.8	11,232.3	12,062.6	12,899.3	13,665.1
United Kingdom	57,305.3	59,884.6	63,880.7	70,216.5	76,515.6	82,380.1
Western Europe total	269,972.3	281,791.8	299,150.8	327,708.3	356,606.8	384,512.8
Worldwide	946,139.7	980,775.7	1,065,857.6	1,177,656.8	1,295,527.0	1,416,400.4

Source: IDC, June 2002